COLONIAL SCIENTIFIC

MATERIALS TESTING DIVISION
2003 CATALOG

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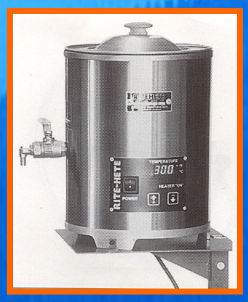

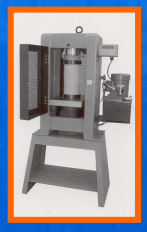

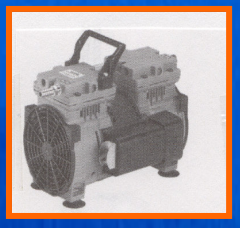

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8439 Glazebrook Drive
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Colonial Scientific, Inc.
2003 Materials Testing Catalog

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Thanks again for your interest and support in Colonial Scientific. Feel free to call us with any thing you may need or any questions or suggestions you may have.

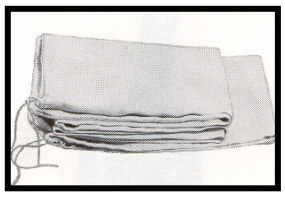
Kindest Regards,
Stan Whitlow

Aprons

Heavy duty rubber coated apron protects clothing and is chemically resistant. Both sizes are full cut, have reinforced stitches and high quality straps.

Cat. # AP2736	Apron 27" X 36"	EA	$ 12.00
Cat. # AP3646	Apron 36" X 46"	EA	$ 16.00

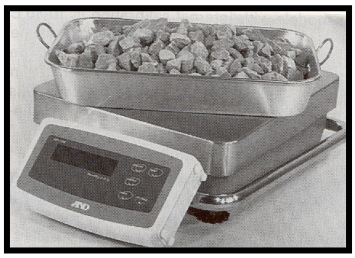
Bags, Sample



These heavy duty, high count drill cotton bags are for transporting samples from the field. The four sizes listed below are the most popular, but other sizes are available upon request.

Cat. # BG1528	15" X 28" Cotton Bag	EA	$ 1.90 each
Cat. # BG1820	18" X 20" cotton Bag	EA	$ 1.75 each
Cat. # BG1018	10 X 18" Cotton Bag w/ drawstring 10/pk	PK	$ 2.75 each
Cat. # BG1732	17 X 32" Cotton Bag w/ drawstring 10/pk	PK	$ 4.20 each

Balance, Digital, A&D



A&D GP series Industrial Balances are about as tough as they come. Stainless Steel overlapping weighing pan deters spills from entering the platform assembly. Swing arm indicator allows display to be moved to eyelevel. 0.1 gram readability.. Supplied with underweigh accessory.

Cat # AD1200	12kg x .1gm Digital Balance	EA	$ 2,250.00
Cat # AD2100	22kg x .1gm Digital Balance	EA	$ 2,450.00

Balance, Compact, A&D

A&D EK series. It is compact, portable and accurate! Clear, wide angle LCD display allows for easy viewing. Optional rechargeable battery pack is available. Underweigh accessory is included.

Cat. # AD1300	4000g X 0.1g balance	EA	$ 635.00
Cat. # AD1301	6000g X 0.1g balance	EA	$ 920.00

Balance, High capacity, Explorer, Ohaus

OHAUS Explorer series offer a high capacity, precision balance that is easy to use. It features a large LCD, stainless steel weigh pan, leveling system and weigh below capability.

Cat. # OH1001	12kg X 0.1g balance	EA	$ 2300.00
Cat. # OH1002	22kg X 0.1g balance	EA	$ 2500.00

Balance, Portable, Navigator, Ohaus

This portable balance is very similar to the Explorer models. High contrast LCD display, stainless steel weigh pan, and weigh below capability Uses 8 AA batteries. AC adaptor included.

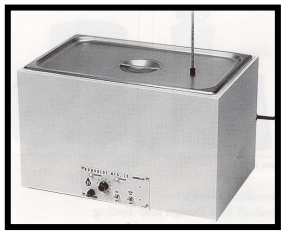
Cat. # OH2001	4100g X 0.1g balance	EA	$ 595.00
Cat. # OH2002	8100g X 0.5g balance	EA	$ 595.00

Basket, Specific Gravity

This stainless steel specific gravity basket features a #8 perforated mesh that traps less air than the older style mesh. Pail type handle for easy carrying and hanging. 8" diameter by 8" height. Meets ASTM C137 specs.

Cat. # DB0908 8" x 8" specific gravity basket EA $ 70.00

Bath, Water, Circulating



This circulating water bath is fully insulated for maximum temperature retention. 1 degree temperature uniformity. Handles up to twelve 4" Marshall specimens at once (2" of water circulates above and below the molds). Temperature range is from ambient to 150F. 7.76 gallons. 11.5"W x 19.5"H x 8"D. 120V 60Hz. Meets ASTM DI559.

Cat. # BA0500 7.8 gallon water bath EA $ 680.00

Bath, Water, Circulating, Microprocessor Control

This stainless steel water bath is very similar to BA0500 (above). Features a microprocessor temperature controller with a range of ambient to 180F. Uniformity of 0.1%. 7.76 gallons. 11.5"W x 19.5"H x 8"D. 120V 60Hz. Meets ASTM D1559

Cat. # BA0600 7.8 gallon water bath microprocessor controlled. EA $ 750.00

Bowl, Stainless Steel, Economy

These stainless steel mixing bowls are ideal for hand mixing small size samples. Bowl has a flat bottom for stability on the counter.

Cat # SB0500	11 ¾" X 4 ½", 5qt Bowl	EA	$ 8.00
Cat # SB0800	13 ¼" X 5 3/8", 8qt Bowl	EA	$ 12.00
Cat # SB1300	16" X 6", 13qt Bowl	EA	$ 18.00

Bowl, Stainless steel, Heavyweight

These bowls are manufactured from 24 gauge stainless steel for long life and durability. They resist pitting and denting, and have many handy uses around the lab.

Cat. # SB0105	5qt mix bowl (11 3/8" x 4 ½")	EA	$26.00
Cat. # SB0108	8qt mix bowl (13 5/16" x 5 7/16")	EA	$34.00
Cat. # SB0113	13 1/2qt mix bowl (16 ¼" x 6")	EA	$45.00

BEAKERS

LOW FORM, GLASS

This beaker meets ASTM E 960 Type I Specifications for Classification, Design, Capacity & Dimensions, and Markings. It features an easy-to-pour spout; white, permanent graduations; and a large marking square. Each beaker is made from sturdy, borosilicate glass with a low coefficient of expansion. It is manufactured with uniform wall thickness which offers optimum balance between thermal shock resistance and mechanical strength. Accuracy is +/- 5% of full capacity.

Cat. # BE0201E	50mL	EA	$ 2.05
Cat. # BE0202E	100mL	EA	$ 2.15
Cat. # BE0203E	150mL	EA	$ 2.25
Cat. # BE0204E	250mL	EA	$ 2.35
Cat. # BE0205E	400mL	EA	$ 2.55
Cat. # BE0206E	600mL	EA	$ 4.45
Cat. # BE0207E	800mL	EA	$ 5.70
Cat. # BE0208E	1000mL	EA	$ 6.30
Cat. # BE0209E	2000mL	EA	$ 9.95

LOW FORM, PP, REUSEABLE

This griffin style beaker features a no-drip pouring spout. It is chemically resistant to most acids, bases, and many common solvents. This beaker is both autoclavable and shatter resistant. Polypropylene beakers will withstand temp. up to 121^{0}C.

Cat. # BE0301	50mL	EA	$1.25
Cat. # BE0302	100mL	EA	$1.45
Cat. # BE0303	250mL	EA	$3.25
Cat. # BE0304	500mL	EA	$3.50
Cat. # BE0305	1000mL	EA	$4.50
Cat. # BE0306	2000mL	EA	$6.55
Cat. # BE0307	5000mL	EA	$19.75

LOW FORM, PP, DISPOSABLE

This unbreakable polypropylene beaker can be thrown away after use or steam-autoclaved for reuse. This beaker is highly resistant to strong acids, organic solvents, and other laboratory reagents. It features a special “dripless” lip; rib construction that permits stacking without binding; and a “flat sitting” bottom. The graduated markings are in mL and oz.

Cat. # BE0401	15mL, 100/pk	PK	$18.90
Cat. # BE0402	30mL, 100/pk	PK	$22.90
Cat. # BE0403	50mL, 100/pk	PK	$26.90
Cat. # BE0404	100mL, 100/pk	PK	$38.90
Cat. # BE0405	150mL, 100/pk	PK	$68.90
Cat. # BE0406	250mL, 50/pk	PK	$34.90
Cat. # BE0407	400mL, 50/pk	PK	$48.90
Cat. # BE0408	600mL, 50/pk	PK	$28.90

LOW FORM, PP, DISPOSABLE, TRIPOUR

This transparent polypropylene beaker has three pouring lips for dripless dispensing. The accuracy is +/- 5%. This beaker is resistant to strong acids and bases, organic solvents, and commonly used laboratory reagents. Write-on, wax-impregnated cardboard caps ensure spillproof, leak resistant closure.

Cat. # BE0501	50mL, 100/pk	PK	$16.90
Cat. # BE0502	100mL, 100/pk	PK	$18.90
Cat. # BE0503	250mL, 100/pk	PK	$22.90
Cat. # BE0504	400mL, 100/pk	PK	$26.90
Cat. # BE0505	800mL, 100/pk	PK	$36.90
Cat. # BE0506	1000mL, 100/pk	PK	$40.90

BOTTLES

Dispensing Bottle

LDPE dispensing bottles have spouts. Sealer cap snaps on easily and gives a tight seal.

Cat. # BO0201E	4oz bottle	24mm Cap	147mm x 47mm	EA	$1.75
Cat. # BO0202E	6oz bottle	24mm Cap	164mm x 55mm	EA	$2.50
Cat. # BO0203E	8oz bottle	24mm Cap	176mm x 60mm	EA	$3.15

Wash Bottle

LDPE washing bottle features a one-piece polypropylene screw cap and nozzle. This bottle delivers a single drop or a fine stream. The tip may be cut back to increase flow. The maximum temperature of LDPE is 80°C.

Cat # WB2500	250ml Wash Bottle	EA	$ 3.50
Cat # WB5000	500ml Wash Bottle	EA	$ 4.50

Carboy

Heavy-duty carboy is molded of low density polyethylene. Spigot is ¾"and has a serrated tip to securely hold ½" to 5/8" ID tubing. Five gallon size is supplied with one molded carrying handle. Maximum temperature for LDPE is 80°C.

Cat. # CA0301	2 gallon carboy	EA	$70.00
Cat. # CA0302	5 gallon carboy	EA	$85.00

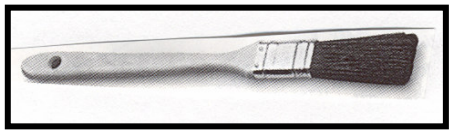
BRUSHES

Coarse Sieve Brush

Stainless steel, wire bristle brush with loop handle. For cleaning 4" through #4 sieves and shaker trays.

Cat # SB1000 Coarse Sieve Brush EA $ 2.50 each

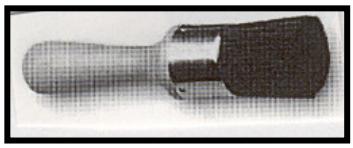
Fine Sieve Brush



This brush is constructed with wood handle and camel hair bristles. Used for cleaning fine mesh sieves

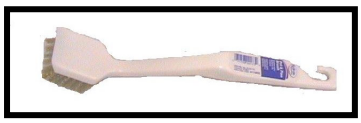
Cat # SB2000 Fine Sieve Brush EA $ 8.50 each

Medium Sieve Brush



This round brush has wooden handle and coarse hair for cleaning medium(#16 thru #50) sieves.

Cat # SB3000 Medium Sieve Brush EA $ 8.50 each

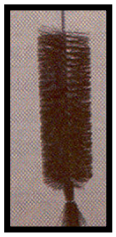


Plastic Coarse Sieve Brush

This brush has brass wire bristles. Overall measurements are 1 ½ x 1 ¾"x 8 ½" curved plastic is both comfortable and functional!

Cat #SB3300 Coarse sieve brush plastic EA $ 3.95 each

Bottle, Cylinder, and Tufted Jar Brush



This brush features a black nylon bristle with a tufted end and a twisted galvanized iron handle with a loop.

Cat. # BR0201E 305mm length, 121mm bristle length, 38mm diameter EA $3.50
Cat. # BR0203E 510mm length, 133mm bristle length, 60mm diameter EA $4.50

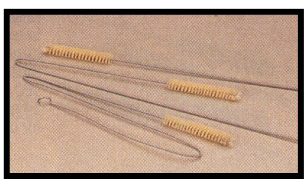
Bottle, Cylinder, and Jar Round Brush

This brush has a completely round tip for effective, safe cleaning of wide mouth glassware such as jars and beakers. These brushes can be used in cleaning cylinders or large test tubes with 38-64mm ID. The brush features a stiff black (127mm long x 64mm diameter) bristle, a fan-shaped tufted end, and a heavy galvanized iron wire. The overall length is 711mm.

Cat. # BR0501E Brush EA $8.25

Buret Brush

These buret brushes are for all sizes of burets. They are made of unbleached white animal bristle with fan-shaped tufted end on galvanized iron wire.



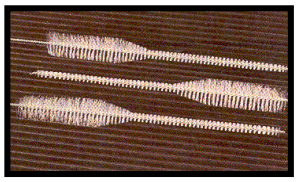
Cat. # BR0401E For 10, 25mL burets or 6-13mm ID test tubes EA $1.75
Cat. # BR0403E For 50mL burets or 10-19mm ID test tubes, EA $1.80
Cat. # BR0405E For 100mL burets or 15-30mm ID test tubes EA $3.25

Flask Brush

This flask brush is suitable for cleaning volumetric flasks. This brush features a 1.5” diameter bristle and a plastic handle. The flexibility of the curved spring portion to which the bristles are attached enables the brush to reach all parts of the flask.

Cat. # BR0301E	12” length, for 250mL flasks, 3” bristle length	EA	$ 5.25
Cat. # BR0303E	14” length, for 500mL flasks, 4” bristle length, 2/pk	EA	$ 5.25

Pipet Brush



These brushes are used for cleaning pipets. The handle is made of galvanized wire; total length is 17” long, tapering from ¾ to 1” diameter; 1” tapered protion approximately 3” long.

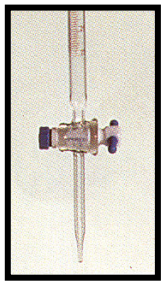
Cat. # BR0601E	Brush	EA	$ 4.17

Test Tube Brush

This brush is for use on test tubes, small jars, and cylinders. This brush features a white nylon bristle, a radial tufted end, and a twisted wire handle.

Cat. # BR0101	229mm length, 89mm bristle length, 19mm diameter, 6/pk	PK	$ 6.50
Cat. # BR0102	279mm length, 102mm bristle length, 35mm diameter, 6/pk	PK	$ 9.50
Cat. # BR0103	205mm length, 76mm bristle length, 13mm diameter, 6/pk	PK	$ 9.50
Cat. # BR0104	230mm length, 89mm bristle length, 19mm diameter, 6/pk	PK	$14.50

Buret, Class A, Teflon Stopcock



These burets are calibrated to Class A tolerances in accordance with ASTM E 542 and E 287. The tips are carefully drawn from accurate bore tubing to insure proper drainage rates. This buret has colored markings with fine, sharp lines and large, easy-to-read numbers. Each buret is supplied with a dust cover and 2 mm-bore Teflon stopcock plug.

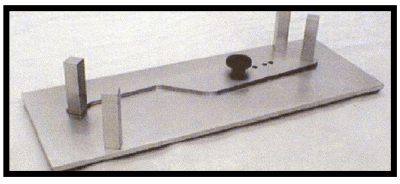
Cat. # BU5025	25mL Buret, class A	EA	$ 82.00
Cat. # BU5050	50mL Buret, class A	EA	$84.00
Cat. # BU5100	100mL Buret, class A	EA	$96.00

Buret Stand

This buret stand has a glazed, white porcelain base that is 13” x 7” (LxW) with 4 rubber feet. The aluminum rod is threaded into the base and secured by a flange and hex nut. The rod is ½” diameter and 24” height.

Cat. # BU6000	Buret Stand	EA	$29.95

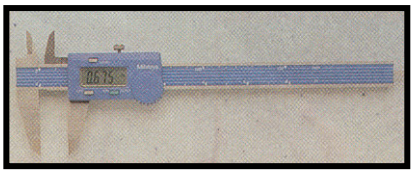
Caliper, Proportional



This device is used to determine the percentage of flat and elongated particles in coarse aggregates. Steel constructed and corrosion resistant. 6” x 16” platform with rubber foot. Four adjustable positions; 2=1:2, 3=1:3, 4=1:4, 5=1:5. Meets ASTM D4791.

Cat. # PC0001	Proportional Caliper	EA	$185.00

Caliper, Digital



This digital caliper is perfect for measuring Concrete Cylinder, Gyratory and Marshall Specimen diameters. Units measuring range is 6"/150mm with an accuracy of ± .0005" (± .2mm). Caliper features an easy turning thumb wheel for quick adjustment, and a low battery/ over speed alarm. Unit includes one silver oxide battery with a life expectancy of approximately 2 years.

CAT# Caliper, Digital, 6"/150mm $ 95.00

Can, Sampling

SEEMLESS

This Gill type can has rounded bottom and edges. Comes with a friction type lid.

Cat # SC0300	3oz sample can w/ lid 2 3/16"D x 1 9/16"H	36/pk	PK	$ 36.00
Cat # SC0400	4oz sample can w/ lid 2 3/8"D x 1 ¾"H	36/pk	PK	$ 40.00

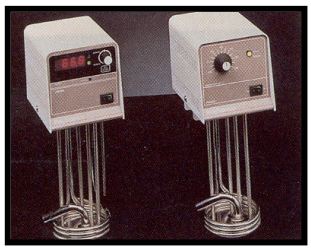
WELDED SEEM

This ink style can with welded seam and slip lid is great for transporting samples from the field.

Cat # SC1200	6 1/8" X 3" Can holds 1200gm sample	EA	$ 2.00
Cat # SC2000	6 1/8" X 5" Can holds 2000gm sample	EA	$ 2.25
Cat # SC4000	8 ¼" X 4 ¾" Can, holds 4000gm sample	EA	$ 3.00

Circulator / Heater

This immersion circulator is designed to heat to and maintain constant temperature in any type water tank. Unit clamps onto side of the container and operates at a depth of three to seven inches. Unit features an over temperature safety backup and low liquid safety shut off. Circulator/Heater is available with an analog temperature controller, or with a digital temperature controller. Temp range is +5˚ C to 100˚ C, ± .2˚ C. Circulator has two pumping speeds: 7L/Min and 15L/Min. Dimensions are 6"H x 5"W x 13"D, 120V, 60Hz.



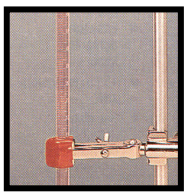
CAT# Water Heater/Circulator, analog controller $725.00

CAT# Water Heater/Circulator, digital controller $1185.00

Single Clamp

This two prong clamp opens to 38mm and is close coupled to lab frame for maximum rigidity.

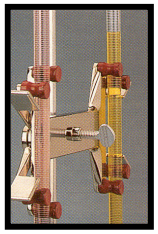
Cat. # CL0101 Single Clamp EA $15.00



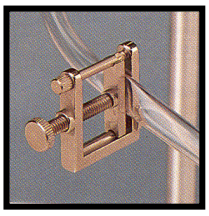
Double Clamp

This double burette clamp holds 2 burets from micro to 100mL size. The finger grip adjusters allow easy height adjustments. The side grip leaves graduations unobstructed. The holding arms operate independently of each other.

Cat. # CL0102 Double Clamp EA $22.00



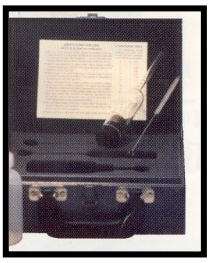
Regular Hosecock Clamp



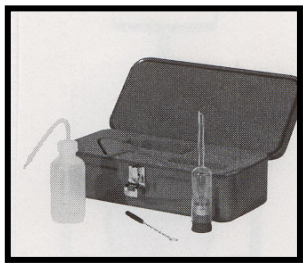
This hose cock clamp is used for tubing up to 19mm diameter. The convex clamping surface gives greater clamping power with less pressure. The oversized screw head for allows adjustment to the fluid flow. The tubing retaining screw eliminates slipping tubing.

Cat. # CL0103 Hosecock clamp EA $12.95

Chase Air Indicator Kit



The Chase air indicator kit is used for estimating air content of fresh concrete. Kit comes ready to test. Includes Chase air indicator, Alcohol bottle, Cleaning brush, Air percentage chart, case and instructions. Meets AASTO T199.



Cat. # CA1000	Chase Air Indicator Kit	EA	$32.50
Cat. # CA1001	Air indicator only	EA	$20.00
Cat. # CA1002	Tube only	EA	$14.00

Compaction Hammer, Soil, Automatic

This automatic Soil Compaction Machine is designed to quickly produce samples without sacrificing the accuracy of manual hand compaction. This machine will perform standard or modified compaction tests with the 5.5lb hammer with a 12" drop or the 10lb hammer with an 18" drop. Unit will accommodate 4" or 6" I.D. molds. The 4" round hammer or the 6" pie faced hammer compensates for sample drop during compaction. Features an automatic counter that can be set to stop the machine when the preset number of blows has been reached. Compaction mold mounts securely to the round base. The base rotates automatically with each blow to ensure uniform compaction. Be sure to use pie shaped compactor foot with 6" mold to obtain complete surface coverage. Includes 5.5lb and 10lb circular faced and pie shaped hammers, and one each of a 4" and 6" mold. Dimensions are 56"H x 16 ½"W x 30"D. Maximum height in operation is 66". Meets ASTM D558, D559, D560, D698, D1557; AASHTO T99, T134, T135, T180.

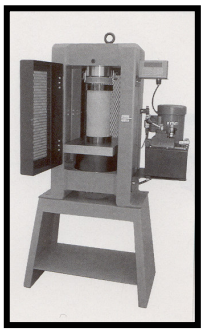
CAT# SC4169	Compactor, Soil, Auto. 115v, 60 Hz, 1ph	$5700.00
CAT# SC4469	Compactor, Soil, Auto. 230v, 50/60 Hz, 1ph	$6000.00

Compaction Hammer, Soil, Manual

This hand compaction hammer used for Moisture Density Testing has a 2" diameter circular face, and a guide sleeve with four vent holes in each end of sleeve to release air pressure. Machined from steel and plated for rust resistance. The 5.5lb hammer meets ASTM D558 and AASHTO T99 and the 10lb hammer meets AASHTO T180.

CAT# SH4160	Moisture Density Hammer, 5.5lb, 12" drop	$65.00
CAT# SH4170	Moisture Density Hammer, 10lb, 18" drop	$78.00

Concrete Compression Tests (HLM2500/300 series)

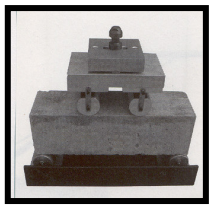


This lightweight and portable line of compression testers are designed for use in the lab or on the jobsite. Solid steel cross heads and structural steel side members offer stability for accurate and repeatable test results. The compact design of the unit allows for placement in the most crowded of work areas. Microprocessor controlled load indicator that features automatic range selection, auto-tare, peak hold, and lb, kg, or kilonewtons weigh units.
Optional accessories allow machine to be used for beam, core, cube and block testing. Wide test range from 1 to 100% of capacity. Includes platens for 6" x 12" cylinder testing. Stand not included. Meets all ASTM, DASHTO, ACI, and British Standards.

PLEASE CALL FOR CURRENT PRICING!

Cat. # CT2500LD	Compression Tester, digital, 250,000 LBF 115V, 60Hz	EA
Cat. # CT2500LD2F	Compression Tester, digital, 250,000 LBF 230V, 60Hz	EA
Cat. # CT3000LD	Compression Tester, digital, 300,000 LBF 115V, 60Hz	EA
Cat. # CT3000LD2F	Compression Tester, digital, 300,000 LBF 230V, 60Hz	EA

Flexural Beam Test Set

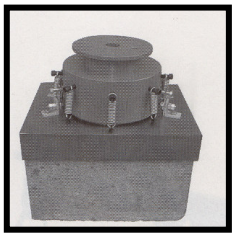


PLEASE CALL FOR CURRENT PRICING!

Used for center or third point testing. The upper head assembly has drilled and tapped mounting holes for adjustment of bearing blocks. Meets ASTM C78, C293.

Cat. # FB0100 Flexural Beam Attachment EA

Masonry Block Platen



PLEASE CALL FOR CURRENT PRICING!

For use in testing concrete block and other masonry products up to 12" wide. The spherical disk is machined to assure that the maximum amount of contact surface is used for stability under load pressure. Meets ASTM C140, E447.

Cat. # MBP100 Block Platen Attachment EA

2 inch Cube Platen Set

PLEASE CALL FOR CURRENT PRICING!

Used for testing 2" and 3" diameter cylinders or cubes. Platen surfaces are ground and hardened. Set includes a spherically sealed upper platen and a lower pedestal. Meets ASTM C109, BS812, BS1881. NOTE: The spacer disc below is required when testing 3" x 6" capped cylinders.

Cat. # CP2500	2" cube test set for HCM2500 tester(CT2500)	EA
Cat. # CP3000	3" cube test set for HCM3000 tester(CT3000)	EA
Cat. # CPD100	Spacer disc for 3" x 6" cylinders	EA

Machine Mounting Stand

PLEASE CALL FOR CURRENT PRICING!

Steel welded frame stands are used to raise the height of compression machines to a more convenient height for sample placement.

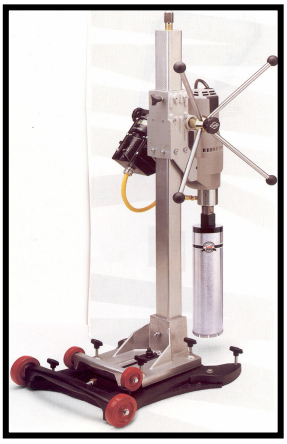
Cat.# MM0200	Stand for HCM2500 tester (T2500)	EA	$
Cat. # MM0300	Stand for HCM3000 tester (CT3000)	EA	$

Core Bits

These premium core bits are designed for wet drilling applications that would include light to moderate steel reinforcement. High quality steel construction and high diamond concentration for long life and durability.

Cat # CB0400	4 ¼" Core Bit	EA	$ 249.00
Cat # CB0600	6 ¼" Core Bit	EA	$ 390.00

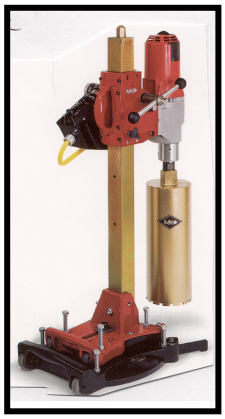
Core Rig



Manta I

The MK Manta has a 2 in 1 base that promotes versatility, portability and operational flexibility. The precision rack and pinion assembly ensures accurate core bit tracking.
Features:
Positive anchoring for vertical and horizontal drilling.
Adjustable angle, dual plug control box with amp meter.
Separate motor & vacuum pump ON/OFF switches.
Maintenance-free double sealed bearings.
Removable handle for easy storage & transport.
Vacuum pump.

Cat. # CR1000	Core rig w/ vacuum pump	EA	$2269.00
Cat. # CR1001	Core rig anchor base only	EA	$1749.00



Manta II

The MK-Manta II core rig drill combines innovative features, precision engineering, and compact design for professional drilling operations. MK answered the demands of the coring industry and created this unit to master every drilling environment and challenge.
Features:
2-1/2" Blanchard ground zinc plated steel column.
Lightweight cast aluminum (small and large) 2 in 1 vacuum base assembly.
Equipped with two innovative handle assemblies.
Removable carriage assembly for easy transportation and rig set up.
Vacuum pump.

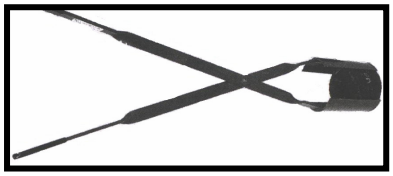
Cat. # CR2000	Core rig w/ vacuum pump	EA	$2190.00
Cat. # CR2001	Core rig anchor base only	EA	$2132.00

CORE SAW

Combines the power and features that the professionals demand. With a 14" blade and 5"depth cut, these durable and efficient machines expeditiously rip through masonry material with ease. This saw is unmatched in the industry. Stay level blade guard provides 180 coverage at all times. Permanently lubricated, double sealed industrial blade shaft bearings. Heavy duty conveyor cart and roller wheels for easy, accurate cuts. Open back design allows large material to be cut. One year limited warranty.

Cat # CS2002	Core Saw, 14", 115v/230v	EA	$ 1,650.00
Cat # DB1400	14" Wet Diamond Blade	EA	$ 495.00
Cat # CS1001	Folding Saw Stand	EA	$ 99.00

Core Puller



These easy to use, scissor type prongs are perfect for retrieving 4" and 6" core samples without inflecting damage by using improper tools. Insert the curved blades around the top of the cut sample, press the plastic coated handles in together, and lift!

CAT# CP1004	Core Puller, 4"	$65.00
CAT# CP1006	Core Puller, 6"	$65.00

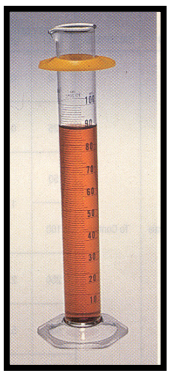
CRUCIBLES

These high-form crucibles are glazed inside and out except for outside bottom surface. The crucible lids are glazed all over except for the rim.

Cat. # CR0101	50mL, 56mm top OD, 46mm height, mm ID	EA	$ 5.30
Cat. # CR0102	100mL, 68mm top OD, 56mm height, 71mm ID	EA	$ 6.15

SINGLE SCALE, "CALIBRATED TO DELIVER", CLASS A, GLASS

- Borosilicate glass cylinder features a spout and a hexagonal base
- Single graduations, with zero at bottom
- The 10mL size has a flare top to facilitate filling
- Sizes 25 to 2000mL include Safe-Guard plastic bumpers



Cat. # CY0010	10mL	0.1 mL subdivisions	160mm	EA	$ 3.45
Cat. # CY0025	25mL	0.2 mL subdivisions	188mm	EA	$ 3.85
Cat. # CY0050	50mL	1 mL subdivisions	218mm	EA	$ 4.85
Cat. # CY0100	100mL	1mL subdivisions	248mm	EA	$ 5.85
Cat. # CY1000	1000mL	10mL subdivisions	465mm	EA	$39.00
Cat. # CY2000	2000mL	20mL subdivisions	520mm	EA	$59.00

SINGLE SCALE, "CALIBRATED TO CONTAIN", CLASS A, GLASS

Meets ASTM E 1272 Class A, Style I specifications

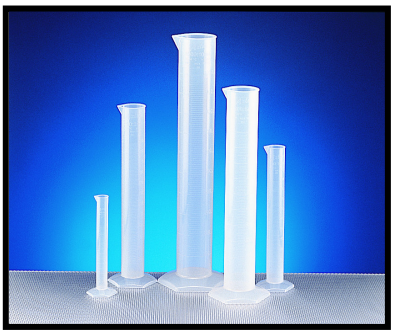
- Features hexagonal base for added stability and a hexagonal bumper guard
- Tolerance +/- 5% of total capacity at any calibrated volume

Cat. # GC0010	10mL	0.1 mL subdivisions	182mm	EA	$20.00
Cat. # GC0025	25mL	0.2 mL subdivisions	210mm	EA	$10.95
Cat. # GC0050	50mL	0.5 mL subdivisions	218mm	EA	$11.50
Cat. # GC0100	100mL	1 mL subdivisions	236mm	EA	$13.50
Cat. # GC2500	250mL	2 mL subdivisions	301mm	EA	$24.20
Cat. # GC5000	500mL	5 mL subdivisions	362mm	EA	$29.20
Cat. # GC1000	1000mL	10mL subdivisions	422mm	EA	$38.50
Cat. # GC2000	2000mL	20mL subdivisions	478mm	EA	$59.95

SINGLE SCALE, POLYPROPYLENE

These cylinders feature permanently molded graduations that will not fade after repeated autoclaving. PP cylinders meet stringent international quality criteria according to ISO 6706 standards.

- Maximum temperature: 121^{0}C
- Durable molded graduations
- Shatter resistant
- Resistant to most acids, bases, and common solvents
- Autoclavable



Cat. # PC0010	10mL with 0.2mL graduations	EA	$ 3.00
Cat. # PC0025	25mL with 0.5mL graduations	EA	$ 3.25
Cat. # PC0050	50mL with 1mL graduations	EA	$ 4.25
Cat. # PC0100	100mL with 1mL graduations	EA	$ 5.25
Cat # PC2500	250mL with 2ml graduations	EA	$ 5.50
Cat # PC5000	500mL with 5ml graduations	EA	$ 8.25
Cat # PC1000	1000mL with 10ml graduations	EA	$10.25

Density Drive Sampler

This test set is used for determining the in place density of soil by driving a thin walled tube into the soil mass to gather an undisturbed sample. The drive head has a shock reducing spring to guard against fatigue failure. Constructed of Zinc plated steel. Drive tubes are sold separately.

CAT# DS4202	Density Drive Sampler, 2" drive head, 20lbs.	$150.00
CAT# DS4203	Density Drive Sampler, 3" drive head, 22lbs.	$150.00
CAT# DS4204	Density Drive Sampler, 4" drive head, 23lbs.	$175.00
CAT# DT4212	Drive Tube, 2"dia. x .01cuft., Box of 10 only	$80.00
CAT# DT4213	Drive Tube, 3"dia. x .01cuft	$9.20
CAT# DT4214	Drive Tube, 4"dia. x 1/30cuft.	$9.50

Dewatering Device

This unit is an alternative to the glass water vapor trap and Drierite drying tubes. Used to remove water vapor from the vacuum line in your RICE set-up. Reservoir is constructed from durable polycarbonate and air tight brass tubing connections. Wall mounting bracket is included to free up counter space.

Cat. # DD1000	Dewatering device	EA	$85.00

Drierite Desiccant

This anhydrous calcium sulfate desiccant has a cobalt chloride indicator. Drierite is an efficient drying agent giving visual indication of the progress of absorption and exhaustion. It will absorb 6-10% of its weight in water, depending on relative humidity. As drierite absorbs moisture, the indicator color changes from blue to rose-red. Regeneration of calcium sulfate (and restoration of blue form of indicator) is accomplished by heating drierite, layered 1 granule deep, for 1 hour at 120^0C.

Cat. # WD0100	1 lb. White Drierite, Non-Indicating	EA	$ 4.20
Cat. # WD0500	5 lb. White Drierite, Non-Indicating	EA	$18.25
Cat. # BD0100	1lb. Blue Drierite, Indicating	EA	$ 8.50
Cat. # BD0500	5 lb. Blue Drierite, Indicating	EA	$36.50

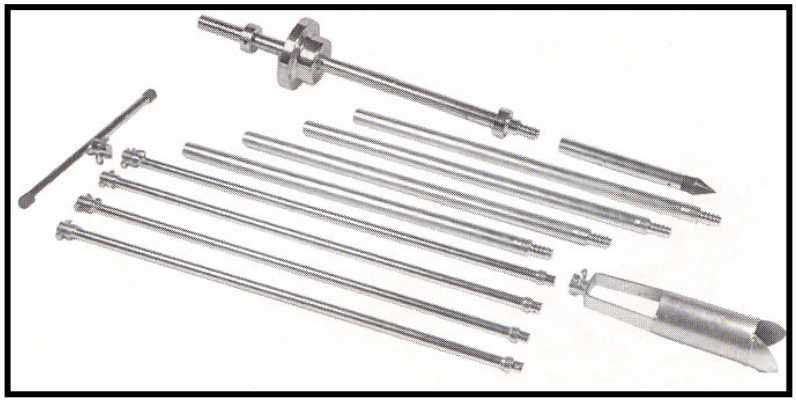
Drying Tube

This air and gas drying tube slips conveniently in line in front of your vacuum pump to catch saturated air before it enters the inlet. Can be used by itself, or in line with other drying apparatus for further drying. Refillable.

Cat # DT1000	Air and Gas Drying Tube	EA	$ 48.50

Dynamic Cone Penetrometer Test Set

This test set can be used for sampling virtually any soil type. The 10 foot set includes one sliding drive hammer assembly, one heat treated #60 cone Penetrometer point with 1 foot adapter rod, four 2.5 foot E-drill rod extension, one auger head, one auger T-handle, four 36” auger extensions, and one ASTM special technical publication #399.



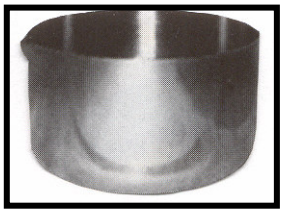
CAT# DC4202	Dynamic Cone Penetrometer Test Set	$525.00
	-Replacement / Optional Parts-	
CAT# DC4212	Sliding Drive Assembly	$200.00
CAT# DC4222	E Drill Rod Extension 1ft	$50.00
CAT# DC4232	E Drill Rod Extension 2ft	$55.00
CAT# DC4242	E Drill Rod Extension 2.5ft	$65.00
CAT# DC4252	E Drill Rod Extension 5ft	$85.00
CAT# DC4262	Drive Point w/ 1ft adapter	$60.00
CAT# DC4272	Drive Point Only	$30.00
CAT# DC4282	Auger Assembly w/ 2pins, T-handle and one extension	$100.00
CAT# DC4292	Auger T-Handle	$15.00
CAT# DC4312	Auger T-Handle, stainless steel	$40.00
CAT# DC4312	Auger Extension, 36”	$40.00
CAT# DC4322	Auger Extension,36”,stainless steel	$18.00
CAT# DC4332	Auger Head, standard, 3 ¼”, carbon steel	$65.00
CAT# DC4342	Auger Head, standard, 3 ¼”, stainless steel	$48.00
CAT# DC4352	Windowed Auger Head, 3 ¼” carbon steel	$118.00
CAT# DC4362	Windowed Auger Head, 3 ¼” stainless steel	$75.00
CAT# DC4372	Drive Tube Assembly, zinc plated steel, 3”x10”	$150.00
CAT#DC4382	Drive Tube Assembly, stainless steel, 3”x10”	$115.00
CAT# DC4392	Replacement Connector Pin	$125.00
CAT#DC4412	Replacement Connector Pin, stainless steel	$1.50
CAT# DC4432	ASTM Technical Publication	$2.50

Evaporating Dish

These evaporating dishes feature a round bottom and a pouring lip. They are glazed inside and out except for the rim. Manufactured out of high quality porcelain. Dishes are fire tested several times to make sure they stand up to the high temperatures in your muffle furnace.

Cat. # DI0498	50ml Evaporating Dish, 70mm x 30mm	EA	$ 5.95
Cat. # DI0499	80ml Evaporating Dish, 80mm x 34mm	EA	$ 6.75
Cat. # DI0501	120ml Evaporating Dish, 3 ½ x 1 ½"	EA	$ 5.80
Cat. # DI0502	150ml Evaporating Dish, 4" x 1 ¾"	EA	$ 7.50
Cat # DI0503	250ml Evaporating Dish, 4 ¾" x 2"	EA	$10.40

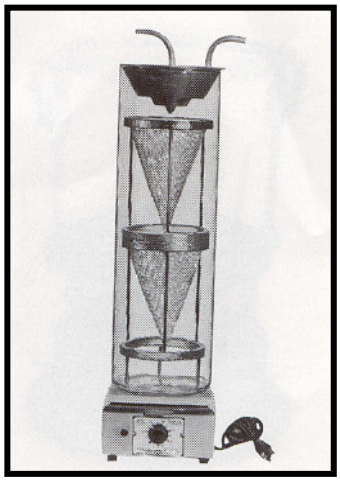
Evaporating Dish, Nickel



These high quality evaporating dishes are made from pure nickel. They feature a pour lip, flat bottoms, and straight sides.

CAT# NE0040	Evaporating Dish, Nickel, 40ml, 2 ¼" x 1"	$32.50
CAT# NE0100	Evaporating Dish, Nickel, 100ml, 2 ¾" x 1 3/8"	$50.00
CAT# NE0200	Evaporating Dish, Nickel, 200ml, 3 3/8" x 1 13/16"	$62.50
CAT# NE0300	Evaporating Dish, Nickel, 300ml, 3 7/8" x 2 ¼"	$82.50

Extractor, Reflux, 1000g



This extractor set determines the percentage of bitumen content in paving mixture by using hot solvent extraction. Each wire screen cone has a 500g capacity. Replacement parts are available. Meets ASTM D2172 and AASHTO T164(method B).

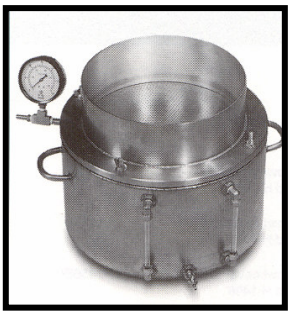
Cat. # EX1000	1000g Reflux Extr Set 115V	EA	$540.00
Cat. # EX1001	1000g Reflux Extr Set 240V	EA	$540.20

Extractor, Reflux, 2000g

Similar to above Reflux Extractor except each wire mesh cone has a 1000g capacity. Meets ASTM D2171, AASHTO T164(method B)

Cat. # EX2000	2000g Reflux Extractor Set 115V	EA	$960.00
Cat. # EX2001	2000g Reflux Extractor Set 220V	EA	$960.00

Extractor, Vacuum



This unit is used for quantitative determination of bitumen in hot mixed paving mixtures and pavement samples. Extractor is stainless steel and has a 3000g capacity combination vacuum/storage tank. It has a 12" diameter filtering system which includes connecting hose, filter paper, see-through extractor gauge, sight tube, vacuum gauge and test procedures. Meets ASTM D2172 (method E) and AASHTO T164 (method E).

Cat. # EX3000	Vacuum Extractor w/ storage tank	EA	$900.00
Cat. # EX3001	Vacuum Extractor w/out storage tank and accessories	EA	$700.00

FLASKS

ERLENMEYER, NARROW MOUTH

Borosilicate glass flasks meet ASTM E 1404 Type I, Class 1 Specifications for classification, design, capacity and dimensions, and markings. They feature heavy-duty rims to reduce chipping; white, permanent graduations, and a large marking square. Each flask has a low-coefficient of expansion. They are manufactured with uniform wall thickness which offers optimum balance between thermal shock resistance and mechanical strength. Accuracy: +/- 5% of full capacity

Cat. # FN0125	125mL, 5 Stopper, 50-125mL grad., 25mL grad. intervals	EA	$3.25
Cat. # FN0250	250mL, 6 Stopper, 50-225mL grad., 25mL grad. intervals	EA	$3.50
Cat. # FN0500	500mL, 7 Stopper, 100-500mL grad., 50mL grad. intervals	EA	$4.95
Cat. # FN1000	1L, 9 Stopper, 250-1000mL grad., 50mL grad. intervals	EA	$6.50

ERLENMEYER, FILTER, HEAVY WALL

This heavy-duty flask with a side arm is designed for vacuum applications. It meets ASTM E 1404 Type I, Class 1 Specifications for classification, design, capacity and dimensions, and markings. It features white, permanent graduations and a large marking square. It is made from sturdy borosilicate glass with a low coefficient for expansion. It is manufactured with uniform wall thickness which offers optimum balance between thermal shock resistance and mechanical strength. Accuracy: +/-5% of full capacity

Cat. # FF1000	1-L filter flask	EA	$35.00
Cat. # FF2000	2-L filter flask	EA	$58.00

VOLUMETRIC, CLASS A, GLASS TS STOPPER

This volumetric flask meets ASTM E 288 Class A Specifications. It features a machine-blown body, a heavy-tubing neck, and a glass TS stopper. The graduation is sharp and permanent. Large, white block letters allow the labeling to be read easily. All sizes are supplied with a TS ground glass stopper.

Cat. # FG0010	10mL	EA	$10.80	Cat. # FG0250	250mL	EA	$15.80
Cat. # FG0025	25mL	EA	$11.80	Cat. # FG0500	500mL	EA	$31.80
Cat. # FG0050	50mL	EA	$12.80	Cat. # FG1000	1000mL	EA	$19.80
Cat. # FG0100	100mL	EA	$13.80	Cat. # FG2000	2000mL	EA	$42.00
Cat. # FG0200	200mL	EA	$14.80				

VOLUMETRIC, CLASS A, SNAP CAP

This volumetric flask meets ASTM E 288 Class A specifications. Each flask features a machine blown body, a heavy-beaded, heavy-tubing neck tooled for a snap-cap fit. The graduation line is sharp and permanent. The large, white, block-letters allow the labeling to be easily read. All sizes are supplied with a snap cap.

Cat. # VG0010	10mL	EA	$3.50	Cat. # VF0250	250mL	EA	$15.50
Cat. # VF0025	25mL	EA	$5.50	Cat. # VF0500	500mL	EA	$16.50
Cat. # VF0050	50mL	EA	$6.50	Cat. # VF1000	1000mL	EA	$18.50
Cat. # VF0100	100mL	EA	$8.50	Cat. # VF2000	2000mL	EA	$38.50
Cat. # VF0200	200mL	EA	$12.50				

MUFFLE FURNACE

SMALL BENCHTOP

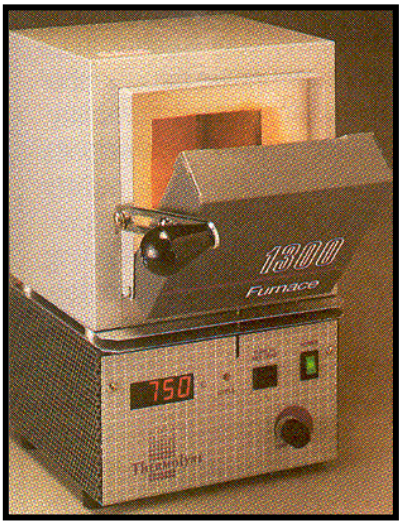
Type 1300 and Type 1400

Reliable digital control ensures accurate temperature control. Turn the set point knob, and the furnace automatically heats to selected temperature. Sensor break protection removes power to elements, eliminating run away conditions, while calibration port simplifies routine performance checks. Ceramic fiber insulation permits faster heat-up time while reducing energy consumption. Custom-formed refractory cement envelopes the heating elements reducing the penetration of contaminates, extending the longevity of the heating elements. Insulated door with a convenient latching handle forms a useful shelf when open. Door safety switch removes power to heating elements when door is open.

Maximum Temperature:		1100^0C	
Chamber Dimensions:			
Type 1300	10.2Wx9.5Hx11.4D cm (4x3.75Hx4.5”)		
Type 1400	12.7Wx10.8Hx15.2D cm (5x4.5x6”)		
Overall Dimensions:		Type 1300	20.3Wx31.8Hx21.6D cm (5x4.5x6”)
		Type 1400	25.4Wx36.8Hx27.9D cm (10x14.5x11”)
Weight:		Type 1300	6.1kg
		Type 1400	10kg
Electrical:		120V	

Furnace is supplied with one-year parts and 90-day labor warranty. Furnace includes a 3-wire cord with plug. Hearth plate and replacement heating elements are sold separately.

THIS FURNACE IS A HOT ITEM!!!



Cat. # FU1300	Type 1300 120V Furnace	EA	$739.00
Cat. # FU01300A	Type 1300 Heating Element	EA	$102.25
Cat. # FU1300B	Type 1300 Hearth Plate	EA	$12.45
Cat. # FU1400	Type 1400 120V Furnace	EA	$908.00
Cat. # FU1400A	Type 1400 Heating Element	EA	$124.35
Cat. # FU1400B	Type 1400 Hearth Plate	EA	$25.50

Flow Table

Flow tables are used to determine the flow of hydraulic cement mortars and cement pastes. The test specimen is molded on the table to the specified shape and volume. Once the flow mold is removed, the table is then dropped and raised a specified number of times, and then the flow (increase in average diameter) is measured. Unit features a heavy duty frame, and cast bronze, corrosion resistant table. Flow table includes one bronze flow mold. Flow table is available in manual/ hand crank model (Meets ASTM C230) or a motorized model in a 110v or 220v model (Meets ASTM C87, C109, C110, C185, C230, C243, C348, C593; AASHTO T71, T106, T137, M152). ***Note: Pedestal is not included.**

CAT# FT3620	Flow Table, Manual, 10"dia.	$ 930.00
CAT# FT3625	Flow Table, Motorized, 110v/60Hz, 10"dia.	$1770.00
CAT# FT3626	Flow Table, Motorized, 220v/50Hz, 10"dia.	$1800.00
CAT# FT3622	Flow Mold, cast bronze, 2 ¾"d x 2"h x 4"base	$ 125.00
CAT# FT3623	Flow Mold, metric, 70mm dia. x 50mm h x 10mm base	$ 128.00

Funnel, Filling, Aluminum

Spun aluminum funnels for filling Marshall and gyratory molds or slump cones. Funnel spout fits into inside diameter of mold with extra wide top for easy filling

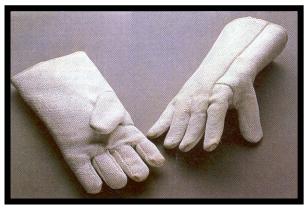
Cat. # FF0400	4" Filling funnel	EA	$ 15.00
Cat. # FF0600	6" Filling funnel	EA	$ 25.00

Gloves, Crusader

Crusader flex nitrile hot mill gloves offer great protection and exceptional comfort. Use in moderate heat applications, below 400^0F. Nitrile coating protects against cuts and abrasions.

Cat # CG1008	10" Glove, slip on style, small	EA	$ 9.95
Cat # CG1009	10" Glove, slip on style, medium	EA	$ 9.95
Cat # CG1010	10" Glove, slip on style, large	EA	$ 9.95
Cat # CG1409	14" Glove, Gauntlet cuff, medium	EA	$ 14.50
Cat # CG1410	14" Glove, Gauntlet cuff, large	EA	$ 14.50

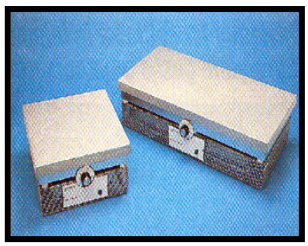
Gloves, Zetex, Heat resistant



These are serious gloves. Asbestos-free gloves are rated up to 600^0C (1100^0F). Wool lining for protection and minimizes moisture build up. These are the gloves supplied with the NCAT start up kit!

Cat. # ZG1011	11" Zetex Gloves	EA	$ 40.00
Cat. # ZG1014	14"Zetex Gloves	EA	$ 45.00

Hotplate, Electric

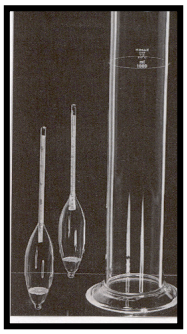


Theses electric hot plates feature a cast aluminum top with integral ribs to prevent warping and buckeling. Analog type temperature controller, and perforated stainless steel casing to support heavy loads. Great for drying aggregates, bituminous paving samples, or heating up marshall hammers. Temperature range from ambient to 700^0F.

Cat. # HP0606	Hot plate 6-1/4 x 6-1/4, 120V, 750	EA	$ 185.00
Cat. # HP1212	Hot plate 12 x 12, 120V, 1600W	EA	$ 555.00
Cat. # HP2424	Hot Plate 24 X 24 120V, 3200W	EA	$ 785.00

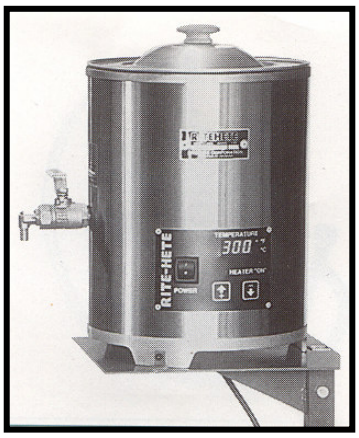
NOTE: HP2424 is not supplied with power cord due to heavy wattage requirements.

Hydrometer, Soil



These high quality, precision glass hydrometers are used for the hydrometer method of testing for subgrade soils.

CAT# HS0152	Hydrometer, Soil, ASTM 152H, -5 to 60g in 1˚	$31.50
CAT# HS0151	Hydrometer, Soil, ASTM 151H, .995 to 1.038 SG x .001	$31.50
CAT# HC1516	Hydrometer Cylinder, 1 ½" O.D. x 16"H	$ 38.50



Liquid Asphalt Dispenser

This stainless steel melting pot features a dual point digital temperature display that controls the point and the dispensing valve independently. Display can be read in F or C. Available in 6 quart or 12 quart capacity. Includes heavy duty adjustable stand, 6 ft power cord.

Cat. # LD1006	6 qt dispenser 110V, 10-1/4" X 14"	EA	$ 895.00
Cat. # LD1012	12 qt Dispenser 110V 15" x 17"	EA	$ 1200.00

Liquid Asphalt Dispenser, Replaceable Liner

Stainless steel melting pot is similar to above and features digital temperature controller and display. Available in only 6 qt capacity. Removable liner makes transporting of sample easy and safe! Keep additional liners on hand for multiple samples. This makes cleaning a breeze.

Cat. # LD2006	6 qt AC Dispenser w/ removable liner 110V	EA	$1075.00
Cat. # LD2007	Replacement liner w/ valve stainless steel	EA	$ 125.00

Mallet, Rubber

Hard rubber mallet has a 2 ¼" diameter face and wooden handle. Overall length is 12".

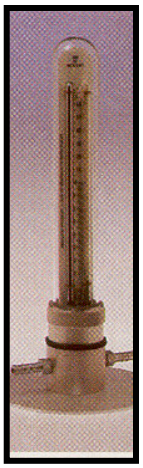
Cat. # MA0100	Rubber Mallet, 12"	EA	$ 12.00

Mallet, Wood

Made of American Hickory. Mallet face is 3 ½" diameter. 1 3/4lb. overall length is 15 ½"

Cat. MA0200	Wood Mallet 15 ½"	EA	$ 15.00

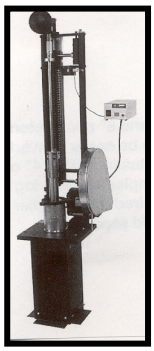
Manometer



This U-tube manometer is used for determining absolute pressure. Closed end U-tube is filled with mercury. Glass dome, base, and tubing connector barbs are included. Replacement glass dome, and Mercury U-Tubes are available.

Cat. MM1000	Manometer w/ U-Tube, Mercury	EA	$ 180.00

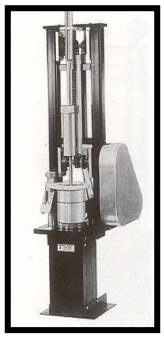
MARSHALL COMPACTORS



Marshall Compactor, Automatic, Non-Rotating

This unit is for preparing 4" compacted specimens. Unit includes flat hammer, compaction pedestal, automatic counter and one mold assembly.

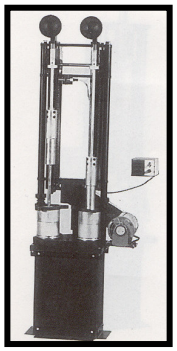
Cat. # MC0100	Automatic Marshall Compactor, Non-rotating 115V	EA	$2050.00
Cat. # MC0101	Automatic Marshall Compactor, Non-rotating 230V	EA	$2100.00



Marshall Compactor, Automatic, Rotating, 4"&6"

This compaction unit features a rotating base which produces a modified kneading action. Unit comes complete with a beveled foot hammer and a compaction pedestal

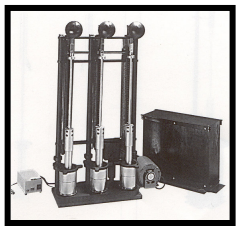
Cat. # MC0200	Automatic Marshall Compactor,4", Rotating 115V	EA	$ 3000.00
Cat. # MC0201	Automatic Marshall Compactor,4", Rotating 230V	EA	$ 3050.00
Cat. # MC0203	Automatic Marshall Compactor,6", Rotating 115V	EA	$ 3200.00
Cat. # MC0205	Automatic Marshall Compactor,6", Rotating 230V	EA	$ 3250.00



Marshall Double Compactor, Rotating

This compaction unit compact's dual 4" samples to a preset number of blows. The unit automatically shuts off upon completion. This unit is equipped with an automatic counter, Oak compactor pedestal, hammer and mold assembly.

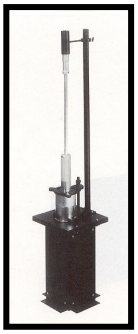
Cat. # MC0300	Automatic Double Marshall Compactor 115V	EA	$ 2950.00
Cat. # MC0301	Automatic Double Marshall Compactor 230V	EA	$ 3000.00



Marshall Triple Compactor, Automatic, Rotating base

This unit prepares three 4" Marshall Specimens simultaneously. Unit includes automatic counter, oak compaction pedestal, hammer and mold assembly.

Cat. # MC0400	Automatic triple Marshall Compactor 115V	EA	$ 3750.00
Cat. # MC0401	Automatic triple Marshall Compactor 230V	EA	$ 3800.00



Marshall Hand Compaction Set

This compaction set features an adjustable guide that fits the handle of the hammer. Guide holds axis of the compaction hammer perpendicular to the base of the mold assembly during compaction.

Cat. # MC0501	Hand Compaction Set	EA	$ 790.00

MARSHALL COMPACTION ACCESSORIES

Marshall Compaction Mold, Non-Rotating

These compaction molds are machined from stainless steel. Base plates and collars are interchangeable with either end of the forming mold body. Mold body is 4" ID and 3" high. Unit includes base plate, body, and collar. Individual parts are available.

Cat # MM0400	4" Marshall Mold, non-rotating	EA	$ 56.00
Cat # MM0600	6" Marshall Mold, non-rotating	EA	$ 86.00

Marshall Compaction Mold, Rotating

These compaction molds are similar to the MM0400 and MM0600 above except the base plates have holes drilled in the bottom for indexing during compaction.

Cat # MM0401	4" Marshall Mold, rotating base	EA	$ 60.00
Cat # MM0601	6" Marshall Mold, rotating base	EA	$ 92.50

Marshall Sample Ejector

This sample ejector features a 6000lb capacity hydraulic jack for extruding samples from asphalt, soil compaction molds, and Shelby tubes. It also features 3 upright rods which distribute the load evenly, a spring return of the piston and a load platform that prevents the mold body from dropping over the jack once the sample has been ejected.

Cat # SE0404	Sample Ejector 4"	EA	$ 425.00
Cat # SE0406	Sample Ejector 4" and 6"	EA	$ 495.00

Marshall Counter, Automatic

This automatic counter features a 3 digit LCD readout, non contact sensor(for recording preset number of blows) and an automatic shutoff feature (when preset number of blows is reached).Counter box should be moved away from machine to avoid damage caused by vibrations. Please specify single, double or triple compactor when ordering.

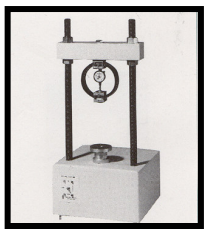
Cat. # MC1000	Automatic counter 115V 50/60Hz	EA	$ 520.00
Cat. # MC1001	Automatic counter 220V 50/60Hz	EA	$ 520.00

Marshall/ Gyratory Specimen Discs

These high quality paper discs are for protecting specimen from sticking to mold base or hammer face during compaction.

Cat. # PD0400	4" Paper Disc 1000/pk	PK	$ 30.00
Cat. # PD1500	150mm Paper Disc 500/pk	PK	$ 45.00

MARSHALL COMPRESSION

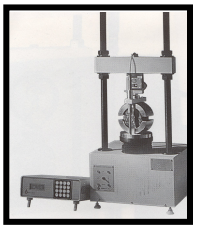


Marshall Stability Compression and Testing Machine

This unit is for measuring resistance to plastic flow of bituminous paving mixtures. Features a motor with a reversing switch and produces 2 inches of uniform vertical movement per minute. Includes calibrated load ring and dial indicator for determining test load. Load capacity is 10,000 lbs. Maximum piston travel is 3 ½"

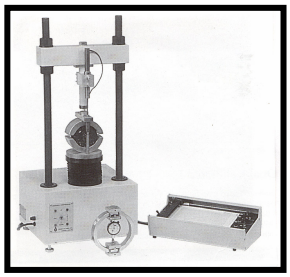
Cat. # MC2000 Marshall Compression and Testing Machine EA $ 2420.00

Marshall Automatic Compression and Testing Machine with Digital Display



This compression machine is same as above and also includes a twin channel digital display and real time clock. An S-Type 10,000 lbf (50kn) load cell, 0.4 linear strain transducer and transducer bracket.

Cat. # MC2010 Auto Marshall Compression Machine w/ digital Display 120V EA $ 5100.00



Marshall Automatic Test Recorder Set

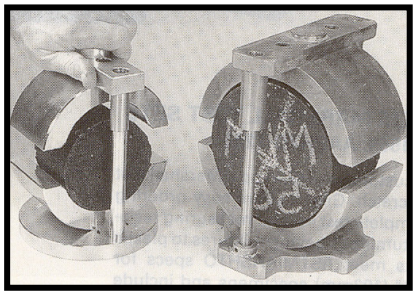
This test set automatically tests and records Marshall Stability and plastic flow on one chart. Eliminates operator error in dial readings and manual recording of data. Set includes compression machine and load frame LVDT sensor for superior accuracy of strain measurement. Also included are 4 load rings with internal calibration.(1000lb, 2000lb, 5000lb, and 10,000lb) Meets ASTM D5581, AASHTO T245

Cat. # MC2030 Automatic Marshall Test Recorder Set 115V 60Hz EA $ 5300.00
Cat. # MC2031 Automatic Marshall Test Recorder Set 220V 50Hz EA $ 5400.00

Marshall Dial Flow Meter

This unit is used for recording flow (diameter change) before failure. Unit consists of a special dial indicator with a maximum position brake mechanism and a guide sleeve that fits over either guide rod on the 4" and 6" Marshall Breaking Heads. Flow Meter is also available in metric graduations.
Cat. # DF0500 Dial Flow Meter with gauge graduations of .01", range 1.0 EA $ 195.00

Marshall / Lottman Breaking Head

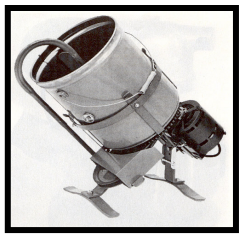


These Marshall Breaking Heads have upper and lower cylindrical segments with inside radius equal to specimen radius. Base mounted segment is connected to upper segment by two vertical guide rods. The Lottman Breaking Head is used with standard compression machines to determine loss of strength of asphalt concrete resulting from saturation and accelerated water conditioning.

Cat # MB0400	4" Marshall Breaking Head	EA	$ 280.00
Cat # MB0600	6" Marshall Breaking Head	EA	$ 345.00
Cat # LB0400	4" Lottman Breaking Head	EA	$ 250.00
Cat # LB0600	6" Lottman Breaking Head	EA	$ 350.00

MIXERS

Mixer



Bucket mixers are quickly becoming the standard in asphalt and mix design labs. It is ideal for sample or batch making in the lab or in the field. The bucket cradle rotates at 60 rpm around the stationary mixing blade. It features a heavy duty ½ hp motor, with fuse protection 8 foot power cord, on/off switch and adjustable mixing angle for repeatable results. We recommend the Colonial Scientific heavy duty mixing paddle. The standard mixing paddle supplied does not stand up to the strenuous demands expected in a materials lab.

Benchtop Mobile .

Cat # BM1000	Mobile Bucket Mixer, 5gal, direct drive	EA	$ 1,150.00
Cat # BM2000	Stationary Bucket Mixer, 5gal direct drive	EA	$ 1,050.00
Cat # BM3000	Benchtop Bucket Mixer, 5gal, chain drive	EA	$ 385.00

Mixer, Concrete

This compact, sturdy and lightweight mixer is great for mixing concrete, mortar, etc. Mixer can be bolted to the floor for permanent installation or fastened to a pallet for easy moving. The counter balanced drum has four mixing blades and a tilting mechanism with adjustable lever for discharging mix on either side. Unit comes standard with a 1/3 horse power motor, hand tow pole and wheels. Mix capacity is 3cuft, (85L). Larger motor sizes and mix capacities are available. Dimensions are 41" x 26" x 55", 336lbs. Meets ASTM C193.

CAT# CM0101	Mixer, Concrete Drum,1/3hp, 110v, 60Hz, 1ph	$ 920.00
CAT# CM0105	Mixer, Concrete Drum, 1/3hp, 220v, 50Hz, 1ph	$ 1180.00

Mixer, Concrete, with Tow Package

This is the same mixer as above except it includes a 1 7/8" ball and socket hitch and pneumatic wheels with tapered wheel bearings to make towing mixer to job or testing site a breeze!

CAT# CM0201	Mixer, Concrete with Tow Package, 110v, 60Hz, 1ph	$ 1290.00
CAT# CM0205	Mixer, Concrete with Tow Package, 220v, 50Hz, 1ph	$ 1380.00

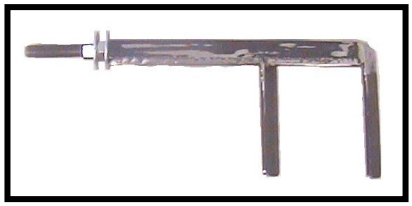
Mixer, Soil Dispersion

This mixer is used for dispersing soil suspensions used in hydrometer testing of subgrade soils. Stirrer has 3 speeds rated at 13,000 / 16,000 / 18,000 RPM and comes with a 5 foot power cord. Dispersion Cup and paddles sold separately.

CAT# SM0100	Mixer, Soil Dispersion, 115v, 50/60Hz	$ 305.00
CAT# SM0102	Dispersion Cup with s/s Baffles	$ 48.00
CAT# SM0104	Mixing Blades, Soil	$ 5.00

Mixing Accessories

Heavy Duty Mixing Paddle



Designed for long life. 2 blades extend from the center to prevent build up of fines in the bottom of the mixing bucket.
Cat. # MB0500 Heavy Duty Mixing Paddle EA $ 100.00

Mixing Paddle Support Arm

Used for holding the heavy duty mixing blade in the center of the benchtop mixer bucket.
Cat. # SA0001 Support Arm required for benchtop to mount above paddle EA $ 50.00

Standard Mixing Bucket

Replacement 5 gallon mixing bucket with pail type handle.

Cat. # BU0010 Standard 5 gallon Bucket EA $ 12.50

Mixing Bucket, Heavy Duty, Stainless Steel

This is the last mixing bucket you will ever buy! 16 gauge stainless steel, welded handles for easy transporting and great heat retention during mixing make this bucket an excellent value.

Cat. # SB3500 Heavy Duty S/S Bucket, with handles, 3.5 gallon
EA $ 220.00
Cat. # SB5000 Heavy Duty S/S Bucket, with handles, 5 gallon
EA $ 250.00

Speedy®

Speedy® Moisture Tester

This test kit gives fast and accurate measurement of moisture content in powders, mixes and pastes of soil, clay and any other type of granular material. The kit is portable, making it great for use in the field. The pressure gauge is calibrated for direct reading of percentage of moisture in the test specimen. Unit comes complete with pressure gauge, tarred balance, measuring scoop, cleaning cloth, brushes, and a hard wood carrying case. Meets ASTM D4944; AASHTO T217.

CAT# SM1006	Speedy® Moisture Tester, 6g capacity, 0-20%	$ 1080.00
CAT# SM1020	Speedy® Moisture Tester, 20g capacity, 0-20%	$ 1120.00

Speedy® Calibration Kit

Use this calibration kit to ensure accuracy every time when using your Speedy Moisture Tester. Kit includes the calibration unit, wooden carrying case, and instructions.

CAT# SM1050	Speedy® Calibration Kit, complete	$ 1980.00

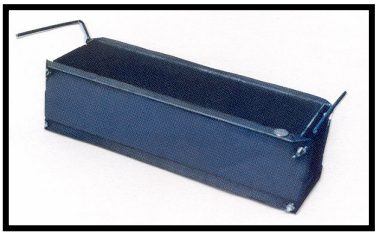
Speedy® Tester Reagent

Calcium carbide reagent for use with the Speedy® Moisture Tester. Case of 24 – 1 pound cans. Shipped via Motor Freight only.

CAT# SM1060	Speedy® Tester Reagent	$ 169.00

MOLDS

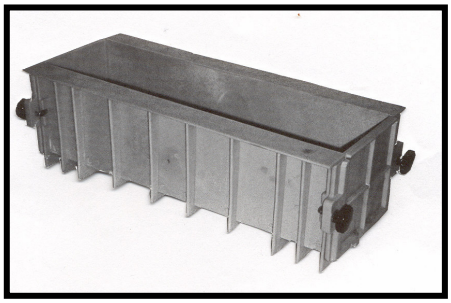
Mold, Concrete Beam



Heavy gage steel beam mold for flexural strength testing using center or third point loading. Beam mold is 6” x 6” x 20”, heavy duty 1/8” steel. Molds are hinge free and collapse into interchangeable parts for easy stripping and cleaning. Molds are compact when broken down, and assemble quickly with plated bolts and wing nuts. Includes stainless steel u-bolt carrying handles. Meets ASTM C31, C78, C192, C293, C403 AASHTO T23, T97, T126, T177.

Cat. # BM6620 Concrete Beam Mold 6”x6”x20” EA $67.00

Mold, Concrete Beam, Economy



These durable, plastic beam molds are light weight and do not require any tools for disassembly. Molds utilize easy to turn thumb screws that make stripping, cleaning, and assembly a breeze! Molded from high strength copolymer plastic. They are re-usable, inexpensive and easy to maintain; making them an exceptional value. Meets ASTM C31-98, C78-94, C192-98, C293-94

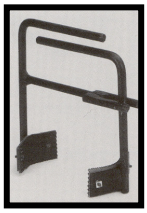
Cat. # BM0621 Econo- Mold Beam Mold EA $60.00

Mold, Concrete Cylinder

These test cylinders meet ASTM C39, C192, and C470. They are non-absorbent, heavy top rim eliminates deformation. Smooth molded plastics makes fro quick and easy stripping. The strong, durable plastic is weather resistant, eliminating job site storage problems.

Cat. # CM0612 Concrete Cylinder Mold, 6”x 12”, 20/cs CS $ 20.00
Cat. # CM0408 Concrete Cylinder Mold, 4” x 8”, 36/cs CS $ 36.00

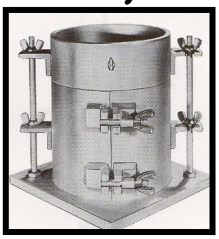
Mold Cylinder Lift Handle



This lift handle id designed to transport 6” concrete test specimens with one hand, relieving back stress and making transport safer.

Cat. # CH0600 Cylinder Carrying Handle EA $ 40.00

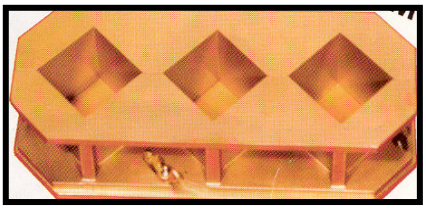
Mold, CBR/ Proctor



All molds are 4.584” high with a detachable extension collar and base plate. All are plated for rust resistance. Manufactured from cold-rolled steel tubing. Split type molds separate longitudinally for easy removal of compacted sample.

Cat. # MO2000 4” standard CBR/ Proctor mold 1/30 cu. ft. EA $ 75.00
Cat. # MO2001 4” split moisture density mold 1/30 cu. ft. EA $ 112.00
Cat. # MO2002 6” standard CBR/ Proctor mold, 1/33.33 cu. ft. EA $ 98.00
Cat. # MO2003 6” split moisture density mold, 1/33.33 cu. ft. EA $ 120.00

Mold, Cube, Machined Brass



This three gang mold is machined from brass. Makes three compression molds at once. Mold casts test cubes in a diagonal arrangement, with a detachable brass base plate for easy cube removal and cleaning. Wing nut clamps lock the mold to the base while stainless steel thumb screws lock halves together securely. Large strike off upper surface area makes this mold the preferred choice! Optional accessories include an all brass fitted top, and a cover plate for pouring molten sulfur capping compound through tapered holes for compression strength testing. Meets ASTM C109

Cat. # CM0701	Cube Mold, brass, 3 gang	EA	$ 299.00
Cat. # CM0702	Brass Cover	EA	$ 55.00
Cat. # CM0703	Capping Compound Cover Plate	EA	$ 82.00
Cat. # CM0704	Cover Plate, plastic, 1” thick	EA	$ 18.00
Cat. # CM0705	Tamping Rod, plastic	EA	$ 7.00

Mold, Cube Maker Kit

This kit features a durable brass mold frame and removable polypropylene liners which eliminate cleaning of gang molds. Just replace the liner! An unbonded capping system is required when using this method. A capping accessory is included in this kit. Reproducible and accurate! Kit contains Brass three gang cube mold, 27 disposable liners, testing fixture with compression pads, and a tamping rod.

Cat. # CM0202	Cube Maker Kit	EA	$ 195.00
Cat. # CM0205	Plastic replaceable liners, 198/CS	CS	$ 65.00

Mold Filling Chute

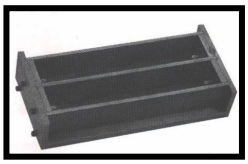
This pan/ funnel combination is designed for quickly filling 150mm gyratory molds with hot mix asphalt samples in a single lift. Chute can also be used for filling 4” and 6” Marshall Molds, or handling and weighing of aggregate and soil samples. Chute is made of 24gauge stainless steel with rolled edges. Chute end tapers down to 2” spout and has welded feet for stability on the scale or counter top. Also features cross beams for stability and easy lifting and pouring.

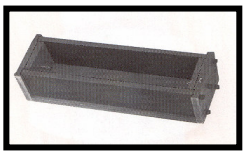
Cat. # FC1000	Mold Filling Chute	EA	$ 78.50

Molds, Prism

These molds are designed to produce the required 10” effective gauge length. They feature removable partitions, base and end plates. The effective gauge length is measured from inside end of the studs. The cement prisms produced measure 11 ¼” long. The length including the studs is 11 5/8”. Meets ASTM C151, C157, C227, C311, C342, C441, C452, C490, C531 ; AASHTO M210, T107, T160.

CAT# MP1010	Mold, Prism, 2 gang, 2”x2”x10”	$ 110.00
CAT# MP1012	Mold, Prism, 2 gang, 1”x1”x10”	$ 110.00
CAT# MP1014	Mold, Prism, 2 gang, s/s, 1”x1”x10”	$ 180.00
CAT# MP1016	Mold, Prism, 2 gang, 1”x1”x5”	$ 110.00
CAT# MP2010	Mold, Prism, 1 gang, 4”x4”x10”	$ 160.00
CAT# MP2012	Mold, Prism, 1 gang, 3”x3”x10”	$ 130.00
CAT# MP2014	Mold, Prism, 1 gang, 1”x1”x10”	$ 85.00





Replacement Gage Studs

These replacement gage studs have stainless steel contact points and are knurled and threaded for use with cement prism molds. Studs are sold 10 per pack. Meets ASTM C151, C157, C227, C490; AASHTO M210, T107.

CAT# GS1000	Gage Studs, stainless steel , 10/pk	$ 7.50
CAT# GS1050	Gage Studs, 316 stainless steel, 10/pk	$ 12.00

NCAT

Asphalt Content Tester/ Binder Ignition Furnace

This is the **One and Only**, NCAT Furnace, for determining asphalt content by the ignition method. This is the "standard for the industry". The NCAT is the most environmentally friendly and cost effective method for accurate determination of asphalt content. Just type in the sample weight and calibration factor, load the sample in the ignition baskets provided, shut the door, push start, and the test is on it's way!. The furnace monitors the sample weight throughout the test. When it takes three consecutive weightings with the same results, it automatically shuts off and an alarm sounds to let you know she's done. Then you hit the "stop" button, and remove the receipt. You're done! Available in 208 or 240 voltage. A testing kit is included that contains 2 ignition baskets with trays, cooling cage, loading fork, face mask, hi-temp gloves, and printer paper.

- Internal weighing system
- Internal timer that you can set to come on before you get to the lab, so it's ready test when you are
- Digital controls
- High performance afterburner to reduce soot generated during testing
- Internal printer
- State of the art filtration system.

NOTE: 3" I.D., stainless steel, seamless tubing is required for exhaust ventilation. **Fume Hoods are <u>not recommended</u>**.

Cat. # NCAT01	NCAT Asphalt Content Tester	EA$ 9650.00
Cat. # SK4000	NCAT Start Up Kit	EA $ 899.00
Cat. # ST0303	Exhaust Tubing, S/S, 3" I.D., flexible	EA $15.50

Mortar and Pestle

This heavy porcelain mortar has a 320ml capacity with a 5" diameter. Mortar surface is glazed entirely with exception of the sample contact area. A small porcelain pestle is included!
Note: Rubber tipped, wooden pestle is recommended for breaking up agglomerates of soils, etc.

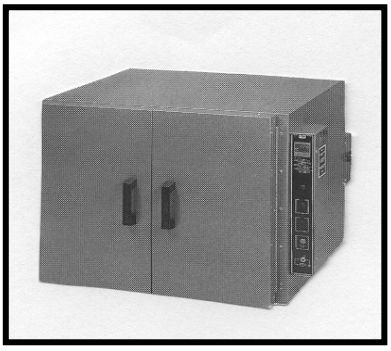
Cat. # MP3205	Mortar and Pestle, porcelain, 320ml	EA	$ 10.50
Cat. # MP0111	Rubber Tipped Pestle	EA	$ 8.95

Oven, Economy, Quincy

This is probably the most widely used oven in the Materials Testing Industry. A great, hard working oven for the price. Great for drying samples and heating up molds. Available in the 7.2 and the 10.6 cubic foot chambers. These ovens have a steel lined interior, sheathed elements, 2" thick mineral wool insulation, piano hinged and gasket sealed doors. Temperature range is ambient to 437^0 F.

Cat. # OV2135	Oven, bench, 7.2cuft, 115v I.D. 25.5"x 20"x 24" O.D. 33"x24"x35.5"	EA	$ 995.00
Cat. # OV3135	Oven, bench, 10.6cuft, 115v I.D. 25.5"x 30"x 24" O.D. 33"x 34"x 35.5"	EA	$ 1200.00

Oven, Economy, Digital, Quincy



This is oven is similar to the one above. It features an electronic digital temperature control system that raises the operating range up to 450F, with a temperature uniformity of ± 3C at 150C. Includes 2 shelves.

CAT# QV2135	Oven, Digital, 7.2cuft, 115v I.D. 25.5"x20"x24" O.D. 33"x24"x35.5"	$ 1250.00
CAT# QV3135	Oven, Digital, 10.6cuft, 115v I.D. 25.5"x30"x24" O.D. 33"x34"x35.5"	$ 1595.00

Oven, Heavy Duty, Despatch, LBB Series,

This oven features fast heat up rates, and precise, easy to read digital controls. The Despatch LBB Series was designed for Soil and Asphalt testing laboratories. The chamber is constructed of stainless steel, and the motor and fan are located above the chamber for ease of maintenance and to guard against spills. Meets AASHTO specs of ± 3C @ 150C. Unit is supplied with heavy duty shelves that are rated at 200lbs. Ovens are available in several different sizes.
***NOTE:** Heavy duty shelves are not available on the 2.3cuft and the 4.3cuft models.

CAT# LB0123	Oven, heavy duty, 2.3cuft, 120v I.D 18"x18"x12" O.D. 24"x24.5"x26"	$ 1885.00
CAT# LB0143	Oven, heavy duty, 4.3cuft, 120v I.D. 24"x14"x22" O.D. 30"x20.5"x36.5"	$ 2150.00
CAT# LB0169	Oven, heavy duty, 6.9cuft, 120v I.D. 30"x18"x22" O.D. 36"x24.5"x36.5"	$ 2400.00
CAT# LB0212	Oven, heavy duty, 12.1cuft, 240v I.D. 30"x20"x35" O.D. 36"x26.5"x51.5"	$ 3250.00
CAT# LB0218	Oven, heavy duty, 18cuft, 240v I.D. 37"x24"x35" O.D. 43"x30.5"x51.5"	$ 4100.00
CAT# LB0227	Oven, heavy duty, 27cuft, 240v I.D. 37"x37"x35" O.D. 43"x43.5"x51.5"	$ 4500.00

Oven, High Capacity, Grieve

This high capacity, industrial strength oven was built for the toughest, most demanding of labs. This line of ovens are force convected and heat up to 400F with ± .5% control accuracy, and ± 8F temperature uniformity. Two nickel plated wire shelves are included. Oven features double doors, and 2" rock wool insulation. Interior is made of stainless steel, and an enamel coated exterior. Topped off with an analog solid state temperature controller, blower control switch, and adjustable air intake. Models come standard in 230v, 60Hz, 1phase. Stand kits, optional timers and extra shelves are also available. Please call for details.

CAT#OV0323 Oven, hi-capacity, 15.8cuft, Grieve $ 4450.00
I.D. 36"x21"x36" O.D. 49"x28"x57"

CAT#OV0333 Oven, hi-capacity, 27cuft, Grieve $ 4800.00
I.D. 36"x36"x36" O.D. 49"x43"x57"

CAT# OV0343 Oven, hi-capacity, 36cuft, Grieve $ 5200.00
I.D. 36"x48"x36" O.D. 49"x55"x57"

Oven, Laboratory, Barnstead/ Thermolyne, LC Series

The LC series ovens from Barnstead/ Thermolyne were designed specifically for SuperPave. This oven features horizontal airflow which results in excellent temperature stability and unbeatable performance. Heavy duty shelves are supplied that handle loads up to 200 lbs. Heating elements and blower motor are located in the top of the unit, leaving them unscathed if you get a little messy. Precise temperature control is achieved with a digital PID controller. Temp range is 10^0 above ambient to 250^0C, with a uniformity of ± 3^0C at 150^0 C.

Cat. # LC0800	Lab Oven I.D. 26x26x21	O.D. 34.5x31x35, 8cuft	EA	$ 2340.00
Cat. # LC1200	Lab Oven I.D. 26x26x32.5	O.D. 35x34x53.75, 12cuft	EA	$ 3521.00

Oven, Lab, Barnstead / Thermolyne, LC Series

This oven offers the same great quality and performance as the smaller LC series ovens above, but in a larger size and a special feature. The LC-18 allows you to connect several thermocouple probes to the digital front display, via a selector switch. Simply select the thermocouple you wish to monitor and the exact temperature of that sample will be displayed on the front screen. No more opening the door and loosing heat to check temps!

CAT# LC1800 Lab Oven I.D. 26x46x26 O.D. 34x75x35 , 18cuft $ 4650.00

Pan, Economy

These pans have folded edges and are manufactured from blue steel sheet metal. Pans are lightly oiled to prevent rusting and to keep them from sticking together when stacked. Great for drying aggregate in the oven. Several different sizes are available. Pans stack inside each other for convenient storage. Special pricing is available when you buy a dozen or more!

Cat. # SP1014	10"x 14"x 2 ¾" Pan	EA	$ 6.50
Cat. # SP1210	12"x 17"x 2 ¾" Pan	EA	$ 7.50
Cat. # SP1617	16"x 17"x 2 ¾" Pan	EA	$ 8.50
Cat. # SP1318	13"x 18"x 4" w/ handles	EA	$ 12.00

Pan, Round, Stainless Steel

These top quality round, seamless pans are great for smaller samples and Fine Aggregate Angularity testing. The sides are tapered in from the top. Catalog number RP5000 below, is sized to contain 8" diameter testing sieves.

Cat. # RP0700 Pan, round, s/s, 10"d x 1.9"h, .7qt EA $ 8.50
Cat. # RP1300 Pan, round, s/s, 14.2"d x 1.9"h, 1.3qt EA $ 15.00
Cat. # RP2500 Pan, round, s/s, 9.2"d x 3"h, 2.5qt EA $ 8.75
Cat. # RP5000 Pan, round, s/s, 11.1"d x 4.1"h, 5qt EA $12.00
Cat. # RP7500 Pan, round, s/s, 13.3"d x 3.9"h, 7.5qt EA $ 18.00

Pans, Stainless Steel, Heavy Duty

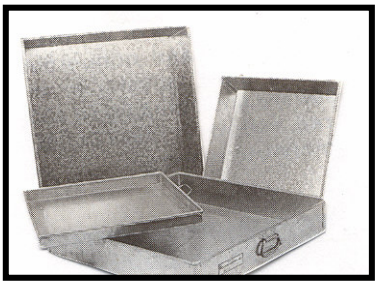
These pans are manufactured from 22 gage stainless **"American"** steel and will probably be the last pans you buy! You know what to do with them.

Cat. # SP1082 Pan, s/s, heavy duty, 10"x8 ¼"x 2 ½" EA $ 25.50
Cat. # SP1084 Pan, s/s, heavy duty, 10"x 8 ¼"x 4" EA $ 39.50
Cat. # SP1225 Pan, s/s, heavy duty, 20"x 12 ¾"x 2 ½" EA $ 33.50
Cat. # SP1204 Pan, s/s, heavy duty, 20"x 12 ¾"x 4" EA $ 43.00

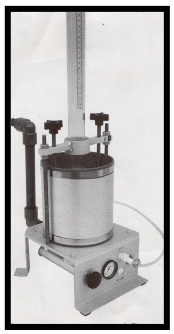
Pan, Galvanized

These heavy gauge galvanized pans are great for drying larger aggregate samples, or for mixing and slump testing of concrete. Pans feature folding side handles for easy transport in the field or lab, or for loading and unloading the oven!

CAT# GP1818 Pan, H.D., galvanized, 18"x18"x3" $ 32.50
CAT# GP2424 Pan, H.D., galvanized, 24"x24"x3" $ 48.50



Permeameter, Asphalt



This simple and easy to use apparatus is for testing the permeability of a compacted asphalt paving mixture. Place the specimen inside the metal cylinder. The specimen is held in place by a latex membrane that will be pressurized by the built in hand pump. The expanding membrane pushes against the outer edge of the sample, filling in voids and preventing flow down the side of the core. The sample is then saturated from the bottom, and 500cc of water is allowed to flow through the sample while being timed. The unit is compact, self-contained and easy to operate. It can even be carried to the job site! Permeameter includes a 500cc manometer with 15ft of ¼" O.D. water line, built in hand pump, and a pressure gauge. Accepts 4" and 6" samples.

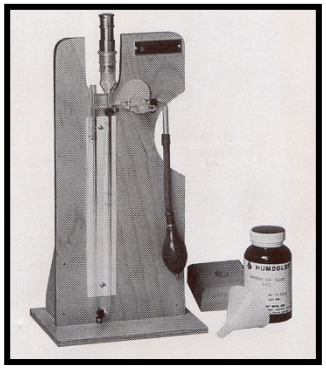
CAT# AP9111 Asphalt Permeameter $ 885.00

Permeameter, Blain Air Apparatus

This unit is used to determine the fineness of Portland cement in terms of specific surface expressed as total surface area in square centimeters per gram of cement. Apparatus comes complete with calibrated U-tube manometer, ground glass joints, s/s test cell and plunger, rubber aspirator bulb and perforated disc. Also includes an 8oz. bottle of red manometer fluid, filter paper, wood block for holding test cell during filling and a plastic funnel. Unit is mounted on a finished wood panel with rubber feet. Meets ASTM C204; AASHTO T153.

*Note: Individual replacement parts are available.

CAT# Blaine Air Permeability Apparatus $ 410.00



Plastic Limit Set

The plastic limit set is used to determine the lowest moisture content that allows the test specimen to be rolled into a continuous 1/8”diameter thread. Set includes one 25ml graduated cylinder, one large evaporating dish, one pack of 3oz sample cans with lids, one plastic 12”x12”x3/8” plate, and one 4” spatula. Individual replacement parts are available. Meets ASTM D4318 ; AASHTO T90.

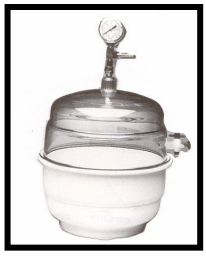
CAT# PL0101 Plastic Limit Test Set Set $ 70.00

Pycnometer, Vacuum, Aluminum, 2kg

This unit is used in the Rice Test to determine maximum specific gravity of bituminous paving mixtures. Canister is machined from thick aluminum tubing with solid welds connecting the bottom plate. The set includes aluminum canister, calibration lid, Plexiglass vacuum lid with o-ring, volumeter, vacuum gauge with release valve and fittings, and a metal water aspirator with 3/8” IPT and 6 feet of hose. Unit achieves vacuum using the water aspirator or a vacuum pump. Meets ASTM D2041, AASHTO T209, T283.

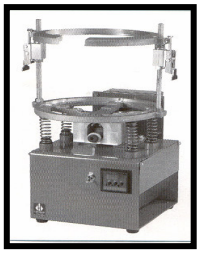
CAT# VP2000 Vacuum Pycnometer, Aluminum, complete, 2kg $ 310.00

Pycnometer, Vacuum, Plastic, 6kg



This large capacity unit consists of a shatter proof polycarbonate dome lid and a durable polypropylene base and plate. It has many of the same features as the aluminum model above except it can handle an additional 4 kilograms. Set includes vacuum desicator and plate, water inlet valve, vacuum tubing, and vacuum gauge.

CAT# PP1000 Vacuum Pycnometer, Plastic, 6kg $ 175.00

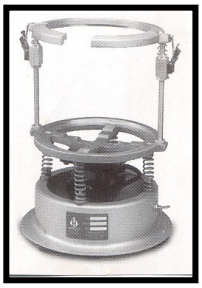


Pycnometer De-Airing Table, Digital, 2kg

The new digital de-airing table from Humboldt is designed to provide maximum agitation to the asphalt sample while performing the Rice Test. Table generates an extremely violent action to free entrapped air and keep material loose during testing. Unit features a new digital LED timer for precise time settings and to view elapsed time. Quick release clamps allow rapid placement and removal of Pycnometer. Table is 8 ¼” wide, 10 ½” deep at base, and 20” high.

CAT# VT1780 Pycnometer Table, Digital, 115v $ 650.00

Pycnometer Table, Vibrating, 2kg



This heavy duty table agitates sample to help release trapped air in asphalt sample while performing the Rice Test. Table features an on/off switch and quick release cam lock clamps that permit easy placement and removal of vacuum Pycnometer.

CAT# VT1756 Pycnometer Table, heavy duty, 115v $ 390.00

Pycnometer Table, Vibrating, Large, 6kg

This vibrating table is similar in build and features as the model above except in the fact that the clamping system has been modified to contain the larger plastic 6kg Pycnometer.

CAT# VT1826 Pycnometer Table, large capacity, 115v $ 440.00

Pycnometer Top

This spun brass top with 3/8” hole is used for determining specific gravity of fine aggregates. Fits 1 or 2 quart mason type jars. Includes a rubber o-ring that prevents fines from making their way into the threads.

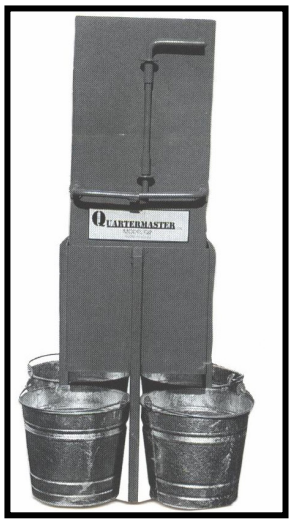
CAT# PT0138 Pycnometer Top, brass, 3/8”, w/ o-ring $ 15.00

Sample Container, Aluminum

These round containers with tight fitting lids are great for preventing moisture loss during sample storage. All containers have straight sides and flat bottoms. Cover fits the bottom of the container during drying or when container is in use. High quality aluminum eliminates scale tare adjustment due to rusting. Cans come by the pack of twelve.

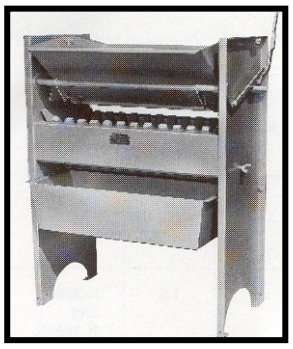
CAT# SC0210	Sample Container with lid, alum. 2”D x 1”H, 12/pk	$ 3.00
CAT# SC0217	Sample Container with lid, alum. 2 ½”D x 1 ¾”H, 12/pk	$ 4.00
CAT# SC0310	Sample Container with lid, alum. 3”D x 1”H, 12/pk	$ 4.50
CAT# SC0315	Sample Container with lid, alum. 3”D x 1 ½”H, 12/pk	$ 4.80
CAT# SC0320	Sample Container with lid, alum. 3 ½”D x 2”H, 12/pk	$5.25

Sample Divider, Quartermaster



This sample divider is used to make 4 equal portions from one larger hot mix asphalt sample. Handles field samples up to 120lbs. The large hopper reduces handling of hot material between collecting of field sample and quartering of the lab samples. The sample is loaded evenly into the hopper, and the sample falls into four separate containers, upon release of the hopper control handle. The Quarter Master is constructed from steel for durability and the most rugged of conditions. Unit consists of two separate halves for easy assembly and transport. Assembled dimensions are 14”w x 17”d x 48”h, 111lbs.

CAT# QM0055	Sample Divider, Quarter- Master	$ 520.00
CAT# SC0950	Sample Container, for QM0055	$ 8.50

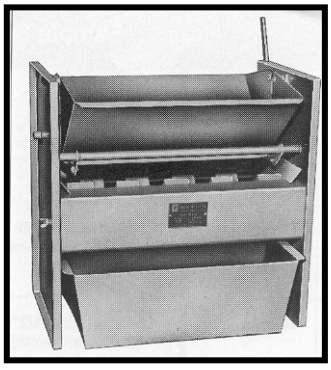


Sample Splitter, SP-1

The most widely used sample splitter out there! This large floor model splitter is perfect for splitting laboratory or field samples. The SP-1 has 48 adjustable chutes that can be set from 6” down to ½” openings. Chute bar width is ½”. The hopper capacity is 1 cubic foot, and is lever activated. Unit includes two pans. Dimensions are 29”L x 19”W x 39”H, 136lbs. ASTM C136, C702, C778, D75, D4318 ; AASHTO T27, T248

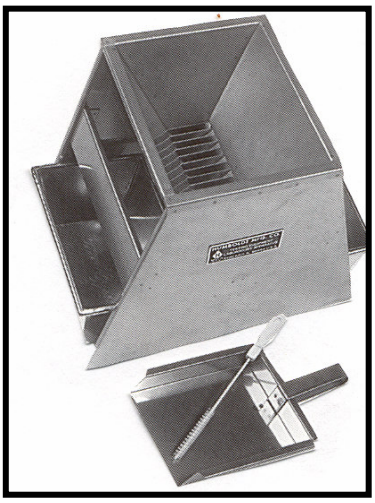
CAT# SP1000	Sample Splitter, large, SP-1	$ 625.00
CAT# SP1001	Sample Pan, for SP-1	$ 36.00

Sample Splitter, Portable, SP-2



This rugged, portable sample splitter offers the same great features as the SP-1 only in a smaller size! The SP-2 has 36, half inch chutes that can be arranged from 3” down through ½”. Unit comes supplied with 2 pans. ASTM C1365, C702, C778, D75, D4318 ; AASHTO T27, T248

CAT# 2000	Sample Splitter, portable, SP-2	$ 425.00
CAT# 2001	Sample Pan, for SP-2	$ 32.00

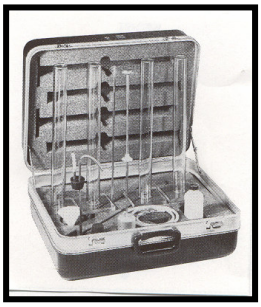


Sample Splitter, Riffle Type

These stainless steel sample splitters divide and half dry materials by using two series of chutes that discharge samples through alternating, fixed chutes in two opposite directions. The splitter kits include riffle splitter, sample pans, scoop, and cleaning brush. The most common sizes used are listed below. However, many other sizes are available! Please call for more details. ASTM B215, C136, C702, C778, D421, D424, D457, D806 ; AASHTO T27, T144, T248.

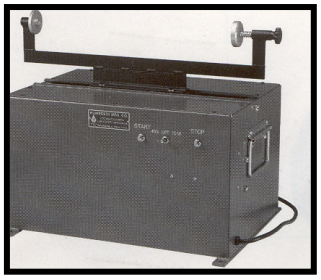
CAT# SP3962	Riffle Splitter, 14chutes, 3/8", 2pans	$ 265.00
CAT# SP3964	Riffle Splitter, 14chutes, ½", 4 pans	$ 295.00
CAT# SP3966	Riffle Splitter, 14chutes, ¾", 4 pans	$ 325.00

Sand Equivalency Test Set



The Sand Equivalency Test set serves as a rapid field correlation test to indicate relative proportion of clay like or plastic fines and dust in fine aggregates or soil. The test separates the sand and clay particles within a sample, and a comparative reading is determined between the settled sand particles and the suspended clay particles in the measuring cylinder provided. Set includes 4 cylinders, 8oz bottle of stock solution, weighted foot assembly, Siphon assembly, funnel, 3oz measuring tin, solid stopper, irrigator tube, and carrying case. Individual replacement parts are also available. Please call for details. ASTM D2419 ; AASHTO T176

CAT# SE0100 Sand Equivalency Test Set, complete $ 255.00

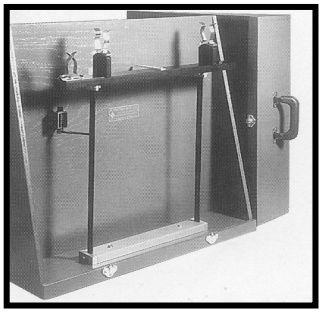


Sand Equivalency Shaker, Automatic

This sand equivalency shaker is motorized and features 2 built in, pre-set timers. One is set at 45 seconds, and the other is set to 10 minutes. The automatic shaker is recommended for labs that perform the Sand Equivalency and Durability Index Test frequently. The shaker has an 8 inch throw at 175 CPM. The consistent, repeatable action of the shaker eliminates operator caused variations. Meets ASTM D2419 ; AASHTO T176.

CAT# SE2000 Sand Equivalency Shaker, automatic, 115v $ 1250.00

Sand Equivalency Shaker, Manual



This spring type, hand shaker is more operator dependant than the automatic model, but it does conform to ASTM, AASHTO, and California test specifications. The unit has cylinder mounting brackets suspended by 2 steel straps. The operator manually oscillates the cylinder to a preset mark on the case at the proper rate. Digital counter records stroke count. Components are mounted in a vinyl covered, plywood case with reinforced corners. Meets ASTM D2419; AASHTO T176, T210; California 217, 229

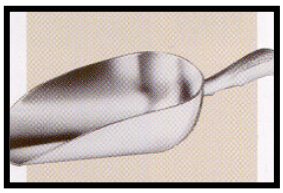
CAT# SE2200 Sand Equivalency Shaker, manual $ 360.00

Sand Equivalency Stock Solution

This is the refill bottle of stock solution for the Sand Equivalency test. It is a mixture of calcium chloride, formaldehyde and glycerin. The solution is to be diluted with distilled water at a ratio of 85ml solution per gallon of water

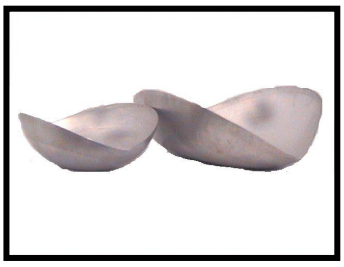
CAT# SE0001	S.E. Stock Solution, 8oz	$ 7.00
CAT# SE0004	S.E. Stock Solution, 4L	$ 38.00

Scoop, Round Bottom



These high quality scoops are manufactured from thick, industrial grade aluminum and have rounded bottoms, permanently molded handles, and seamless construction. Great for taking aggregate samples from the stock pile or asphalt samples from the plant or the truck, or just for your general scooping needs around the lab.

CAT# RS0001	Scoop, round bottom, 3" x 6 ¼", #1	$ 8.00
CAT# RS0002	Scoop, round bottom, 4" x 7" # 2	$10.00
CAT# RS0003	Scoop, round bottom, 5" x 8 ¼", #3	$12.00



Scoop, Weighing

This funnel / combo is great for weighing large aggregate or asphalt samples and then dispensing them directly to a pan or mold. The scoop has a flat surface on the bottom for stability on the scale or the counter. Scoop is constructed of a machined aluminum disc and then folded upright like a "taco shell" to form a funnel/ pouring spout on the ends.

CAT# WS1510	Scoop, weighing, 15" x 10" x 5"	$ 39.50
CAT# WS2114	Scoop, weighing, 21" x 14" x 6"	$ 49.50

Shaker, Orbital, Big and BIGGER Bill

This line of oscillating shakers is a huge value. The durable, heavy duty, cast metal casing provides strength and protection when it's needed most; in your Materials Lab! The versatile platform design handles flasks from 10ml up to 6000ml. Precise controls range from 25 to 450rpm, and a 24 month factory warranty is standard. Available in two sizes: The Big Bill platform is 16.7" square, and the Bigger Bill is 21" square. Both models are available with analog or digital controls. The digital model also features automatic reverse mixing action, and timer. 120 volt, 50 / 60Hz. Load capacity is 50lbs.

CAT# BB1000	Shaker, Big Bill, analog control	$
CAT# BB1050	Shaker, Big Bill, digital control	$
CAT# BB2000	Shaker, Bigger Bill, analog controls	$
CAT# BB2050	Shaker, Bigger Bill, digital controls	$

Sieve, Testing

These are the highest quality sieves available today. Manufactured with pride by Dual Manufacturing in Chicago, Illinois! They feature the highest quality spun, seamless brass frame with soldered, stainless steel mesh. They are available in 8" and 12" diameters straight from our warehouse. 3", 5", 6", and 10" diameters are also available! The 8" diameter sieves are available in Full height (2" deep), or in Half height (1" deep). The 12" diameter sieves are available in Full height (3" deep), Intermediate height (2" deep), or Half height (1 5/8" deep). There is no price difference in the sieve depths, so get the depth you need! Sieves feature rigid rolled edges, and extended bottoms that allow sieves and pans to be stacked.
Sieves come from the factory with a permanently attached plate that lists the sieve number, microns, nominal opening in millimeters and inches. All sieves now include an etched serial number on the sieve! All sieves meet a ASTM E11; AASHTO M92

8" diameter Sieve, 1" or 2" deep, 2" through #100 mesh $ 35.00 each
8" diameter Sieve, # 200 mesh $ 45.00 each

12" diameter Sieve, 1 5/8", 2", or 3" deep, 2" through #100 mesh $ 60.00 each
12" diameter Sieve, # 200 mesh $ 80.00 each

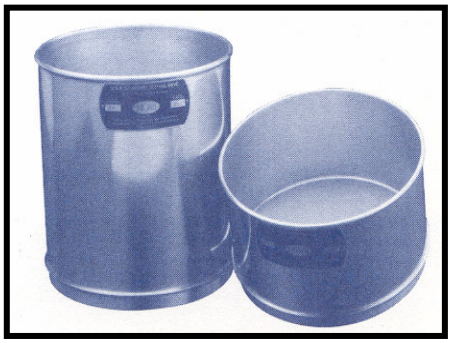
Sieve Pans and Lids

Manufactured of the same superior seamless brass as the testing sieves!. Lids come standard with lifting ring and the pans have an extended rim so that the bottom sieve in the stack fits precisely on the top of the catch pan.

CAT# SL0800	Sieve Lid, 8"	$ 12.50
CAT# SL1200	Sieve Lid, 12"	$ 26.50
CAT# SP0801	Sieve Pan, 8"dia. x 1" deep	$ 15.00
CAT# SP0802	Sieve Pan, 8"dia x 2" deep	$ 15.00
CAT# SP1201	Sieve Pan, 12"dia. x 1" deep	$ 28.50
CAT# SP1202	Sieve Pan, 12"dia. x 2" deep	$ 28.50

Sieve, Wet Wash

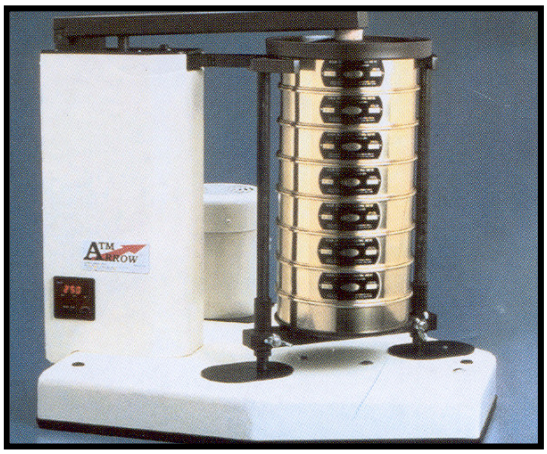
These sieves have an extra deep frame for washing fines through the sieve without loosing any of the sample. Sieves have a brass frame with stainless steel #200 mesh. They are available with or without a stainless steel back up cloth to support the #200 mesh.



CAT# WS0804	Sieve, WW, 8" x 4", #200	$ 95.00
CAT# WS0806	Sieve, WW, 8" x 6", # 200	$ 100.00
CAT# WS0808	Sieve, WW, 8" x 8", #200	$ 110.00
CAT# WS0814	Sieve, WW, 8" x 4", #200, w/ back up cloth	$ 120.00
CAT# WS0816	Sieve, WW, 8" x 6", #200, w/ back up cloth	$ 130.00
CAT# WS0818	Sieve, WW, 8" x 8", #200, w/ back up cloth	$ 145.00
CAT# WS1204	Sieve, WW, 12" x 4", #200	$ 140.00
CAT# WS1206	Sieve, WW, 12" x 6", #200	$ 155.00
CAT# WS1214	Sieve, WW, 12" x 4", #200, w/ back up cloth	$ 180.00
CAT# WS1216	Sieve, WW, 12" x 6", #200, w/ back up cloth	$ 195.00

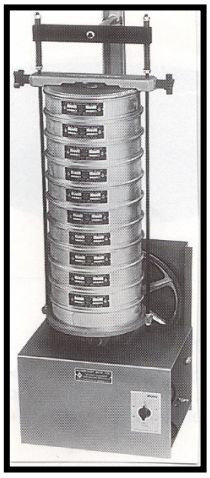
SIEVE SHAKERS

Sieve Shaker, ATM Arrow



This heavy duty sieve shaker is designed for both industrial and laboratory applications with a proven design that guarantees years of trouble free service. The Arrow features all steel construction. No plastic parts to break on you! Simultaneous horizontal shaking and vertical tapping motions, and a built in digital timer for accurate and repeatable performance are standard on the Arrow shakers. The Arrow holds up to seven full height sieves, and fourteen half height sieves. Power options are 110v or 220v; 50 or 60Hz. 8" to 12" (or vice versa) conversion kits are available.

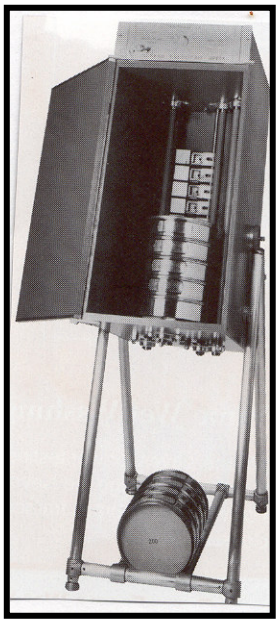
CAT# AS0800	Sieve Shaker, Arrow, 8" 110v / 60Hz	$ 1850.00
CAT# AS0802	Sieve Shaker, Arrow, 8", 220v / 50Hz	$ 1850.00
CAT# AS1200	Sieve Shaker, Arrow, 12", 110v / 60Hz	$ 2195.00
CAT# AS1202	Sieve Shaker, Arrow, 12", 220v / 50Hz	$ 2195.00
CAT# CK0812	Conversion Kit, Arrow, 8"	$ 420.00
CAT# CK1208	Conversion Kit, Arrow, 12"	$ 660.00



Sieve Shaker, 8", 10", & 12"

This sieve shaker is an economical choice for running your sieve gradations and staying in spec! It features a belt-driven, ¼ hp motor, and an easy to use clamping system that accepts 8", 10", and 12" sieves. Shaker holds eleven 2" deep sieves, and seven 3" deep sieves. Be prepared, because the action is so strong on this unit that you will definitely need to secure it to the floor to keep her from walking on you! Unit comes in at 26" x 18" x 42" and 85lbs. Meets ASTM C136.

CAT# SS4330 Sieve Shaker, 8", 10", and 12", 115v/60Hz $ 700.00



Sieve Sifter, Mary-Ann

The "Mary Ann" is a "One-of-a-Kind" and has quickly become the standard of the industry in a SUPERPAVE lab. The sieve stack is revolved on two 45 degree rubber coated rollers that turn the entire stack at once while spring loaded hammer assemblies provide direct tapping to each sieve without damaging your sieve frames. The Mary-Ann comes complete with a built-in timer, plywood sound enclosure, and tubular aluminum support frame that doubles as a sieve storage rack! Mary-Ann can handle up to ten 2" deep sieves or six 3" deep sieves at one time. She's one tough cookie!

CAT# MA1000	Mary Ann Sifter, 8" only, 115v	$ 2095.00
CAT# MA2000	Mary Ann Sifter, 8" and 12", 115v	$ 2595.00

Shaker, Gilson Test Master, TS-1, TS-2

The TS-1 Shaker from Gilson is the #1 shaker in the aggregate industry today! A sturdy outer frame encloses the shaking unit from the outer elements. Screen trays lock together easily with a pull of the hydraulic lever on the top of the machine. The TS-1, and TS-2 accepts mesh sizes from 4" through #200. The shaker is supplied with a 1/2hp capacitor type motor and starting switch with built-in overload protection. A newly added feature is a protective hood that encloses the drive mechanism. Furnished with 5 coarse screen trays (4" - #4) and a dust pan. Shaker can also be purchased without the hydraulic clamping ability. That unit utilizes 2 easy to turn hand cranks that pull the trays together and locks them into place inside the shaking compartment.

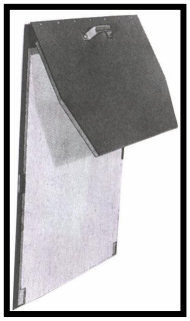
CAT# TS1001	Shaker, TS-1, hydraulic, w/ 5 coarse screens, 115v/60Hz	$ 2300.00
CAT# TS1002	Shaker, TS-1, hydraulic, w/ 5 coarse screens, 230v/50Hz	$ 2350.00
CAT# TS2001	Shaker, TS-2, manual clamp, w/ 5 coarse screens 115v/60Hz	$ 2800.00
CAT# TS2002	Shaker, TS-2, manual clamp, w/ 5 coarse screens 230v/50Hz	$ 2850.00

Gilson Shaker Ts-1 and TS-2 accessories

Clean-N-Weigh

The time saving clean-n-weigh also saves money by protecting tray flanges during emptying and cleaning of trays. The lower supports of the unit have several positions to allow direct use with a piece of plywood. The tray support rods and notched hand slots are rubber lined, and the support legs have 3 inches of adjustment for leveling. A large chute ended handling pan and a cleaning brush are included. Dimensions are 30 ½"W x 19 ½"D x 30 ½"H, 63 lbs.

CAT# CW0167 Clean-N-Weigh Accessory $ 255.00

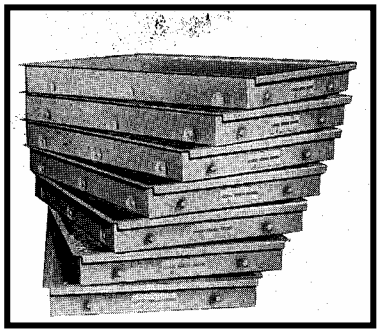


Door Enclosure

This accessory is designed to attach directly to the TS-1 or TS-2 Shakers. The door enclosure has a full width hinge and fastens in place with permanent magnets to enclose front and top of the machine. Enclosure is constructed of heavy duty fiber board and sound deadening liner. Dust and sound are kept to a minimum!

CAT# DE0157 Door Enclosure Assembly $ 155.00

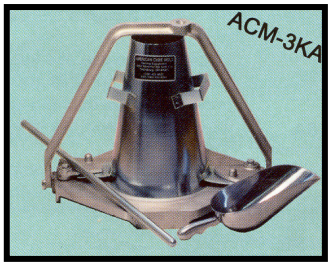
Shaker Screen Trays



These tray assemblies and replacement mesh are for the TS-1 and TS-2 shakers. Please specify mesh size when ordering.

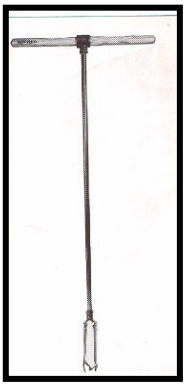
CAT# ST0100	Screen Tray, coarse (4" through #4)	$ 120.00
CAT# ST0101	Screen Tray, intermediate (#5 through #14)	$ 200.00
CAT# ST0102	Screen Tray, fine (#16 through #100)	$168.00
CAT# ST0106	Screen Tray, # 200 mesh size	$ 250.00
CAT# ST0125	Mesh only, coarse (4" through #4)	$ 49.00
CAT# ST0126	Mesh only, intermediate (#5 through #14)	$ 129.00
CAT# ST0127	Mesh only, fine (#16 through #100)	$ 96.00
CAT# ST0200	Mesh only, # 200 mesh size	$ 177.00

Slump Cone Test Set



This set is for measuring slump of freshly mixed concrete. Slump cone is manufactured of spun steel. Base is light weight aluminum, and also doubles as a carrier that holds slump cone and tamping rod. Slump kit includes slump cone, aluminum base, tamping rod and scoop. Meets ASTM C31, C143, C172, C192, C232; AASHTO T23, T19, T126, T141, T158.

CAT# SK1000	Slump Kit, complete	$ 135.00
CAT# SK1001	Slump Cone only	$ 30.00
CAT# SK1002	Slump Base, aluminum	$ 90.00
CAT# TR1200	Tamping Rod, 12”L x 3/8”D	$ 8.00
CAT# TR2400	Tamping Rod, 24”L x 5/8”D	$ 10.00

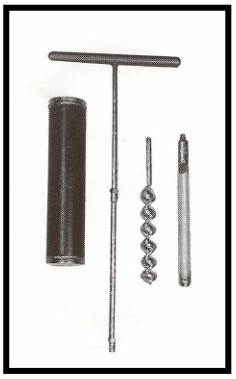


Soil Auger, Iwan Type

These T-handle augers are also known as posthole or non-adjustable augers. They feature a hardwood cross handle, 36” steel shaft, and are available in 2”, 3”, 4”, and 6” diameters. Meets ASTM D420, D1452; AASHTO T86, T202.

CAT# SA1002	Auger, T-handle, 2”dia (51mm)	$ 52.00
CAT# SA1003	Auger, T-handle, 3”dia (76mm)	$ 53.00
CAT# SA1004	Auger, T-handle, 4”dia (102mm)	$ 55.00
CAT# SA1006	Auger, T-handle, 6”dia (152mm)	$ 55.00

Soil Auger Tube Set



This soil sampling auger tube set is great for agricultural and other soil testing applications. The components are steel and plated to resist the abrasive properties of soil. Individual parts have graduation marks every 6” to indicate sampling depth. Set includes 12 ½” long by 1 ¼” diameter auger, 12 ½”long by 1”O.D. sampling tube, two 12” extension rods, T-handle, and a carrying case.

CAT# SA4268	Soil Auger Tube Set	$ 225.00

Spatula

These spatulas have a comfortable wooden handle that is riveted to a stainless steel, mirror finished blade.

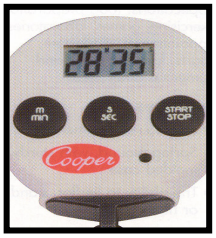
CAT# WS0400	Spatula w/ wood handle, 4” x ¾”	$ 5.75
CAT# WS0600	Spatula w/ wood handle, 6” x 1”	$ 6.50
CAT# WS0800	Spatula w/ wood handle, 8” x 1”	$ 9.25
CAT# WS1000	Spatula w/ wood handle, 10” x 1 ½”	$11.25

Spoon

This stainless steel spoon is great for distributing lab sample material or hand mixing samples in a bowl. Spoon is 13” in length.

CAT# SS1300	Sampling Spoon, 13”, stainless steel	$ 5.00

Stopwatch



This stopwatch timer is lightweight and functional. It has a 99minute, 59second counter and only weighs 1.5 ounces. Accepts a 1.5volt watch battery. Includes an 18” soft nylon neck strap. Easy to use 3 button operation, and recall function automatically brings timer back to previously set time.

CAT# SW0100	Stopwatch, 99min /59sec lightweight	$ 18.50

Stopwatch, Certified

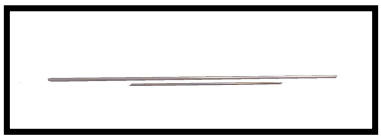
This stopwatch has two different timing modes: 29minutes, 59seconds, 99 hundredths or, 23 hours, 59 minutes, 59seconds. Both timing modes have an accuracy of .001%. Timer is supplied with a certificate showing traceability to NIST standards. It has a single line digital LCD display and weighs only 2 ½ ounces. Displays time of day to the second, AM / PM, date, and day of the week. O-ring sealed, water and shock resistant casing has non slip rubber sides. Includes clip and Velcro for mounting.

CAT# SW0200 Stopwatch, NIST Certified $ 28.50

Straight Edge

These straight edges are for striking off samples in containers, measures, or molds. Manufactured out of ground steel and have beveled edges. All straight edges are 1/8" thick and are 1 ¼" wide. Meets ASTM C185, D558, D559, D560, D698; AASHTO T137

CAT# ST4108 Straight Edge, 8" $ 13.00
CAT# ST4112 Straight Edge, 12" $ 17.50
CAT# ST4116 Straight Edge, 16" $ 24.00
CAT# ST4124 Straight Edge, 24" $ 30.00



Tamping Rod

Cat # TR1200	12"x 3/8" Tamping Rod	EA	$ 8.00
Cat # TR2400	24"x 5/8" Tamp Rod, w/ graduations	EA	$ 10.00

Temperature Meter

This digital meter is a fast and accurate way to monitor temperature. It has a range of -58F – 2000F(-50C – 1300C) with a switchable resolution of .1 and 1.0. Accuracy is ± 1 % of entire scale. Unit can read in F and C, accepts any type "K" probe, and has a built in low battery indicator. Meter is powered by a 9 volt battery and has an approximate battery life of 200 hours. Dimensions are 7"W x 3"H x 1 ½"D. Unit comes complete with hard plastic case, thin wire thermocouples, and 9v battery. This meter is also available in a 2 probe model; monitors two separate samples at once with Max reading memory.

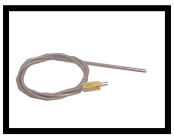
***NOTE:** We recommend using the probes below for oven readings and hot mix asphalt samples.

CAT# DT1000 Temp Meter, Digital, "K", single probe $ 85.00
CAT# DT2000 Temp Meter, Digital, "K", dual probe $ 125.00

Temperature Probe

These type "K" stainless steel thermocouples are for penetrating well into any given sample to take internal temperature readings. These are the most commonly used probes, but please call for alternatives or custom made thermocouples.

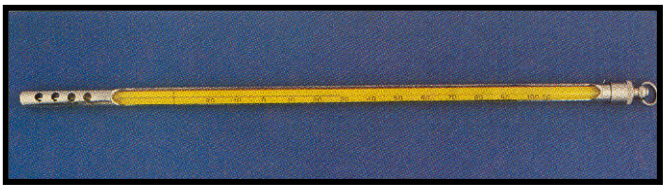
CAT# TP0106 Probe, 6", s/s, 36" cable, type "K" $ 45.00
CAT# TP0205 Probe, 5" penetration tip, "K", 36" coiled cable $ 45.00

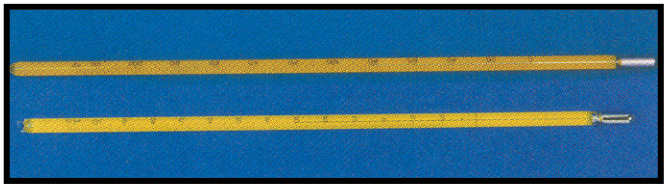


Thermometer Armor

This thermometer casing is nickel plated and is notched in the front for easy reading of the thermometer scale. Screw cap has a built in hanging ring on the top for suspending thermometer in water bath, oven, etc.

CAT# TA0006 Thermometer Armor, 6" $ 16.00
CAT#TA0012 Thermometer Armor, 12" $ 18.00
CAT#TA0014 Thermometer Armor, 14" $ 20.00
CAT#TA0016 Thermometer Armor, 16" $ 22.00
CAT#TA0018 Thermometer Armor, 18" $ 35.00
CAT#TA0024 Thermometer Armor, 24" $ 42.00



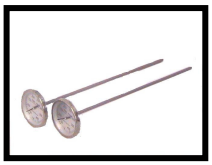


Thermometer, Glass, ASTM

These high quality mercury thermometers are made of glass and manufactured to ASTM specifications. The most popular ranges are listed below, however, there are hundreds of other ranges available. If you don't see the range you need listed below, just give us a call!

CAT# AT0100	Thermometer, 1F,0 - 302, x 2 F	$ 18.00
CAT# AT0200	Thermometer, 2F, 20F- 580 x 2 F	$ 18.00
CAT# AT0500	Thermometer, 5F, -36F - 120F x 2F	$ 16.00
CAT# AT0700	Thermometer, 7F, 30- 580F x 2F	$ 20.00
CAT# AT0900	Thermometer, 9F, 20F – 230F x 1F	$ 22.00
CAT# AT1100	Thermometer, 11F, 20F – 760F x 5F	$ 22.00
CAT# AT1200	Thermometer, 12F, -5F – 215F x .5F	$ 30.00
CAT# AT1500	Thermometer, 15F, 30F– 180F x .5F	$ 22.00
CAT# AT1600	Thermometer, 16F, 85F – 392F x 1F	$ 28.00
CAT# AT1700	Thermometer, 17F, 66F– 80F x .2F	$ 28.00
CAT#AT5400	Thermometer, 54F, 68F- 213F x .5F	$ 35.00
CAT#AT5700	Thermometer, 57F, -4F - 122F x 1F	$ 26.00
CAT#AT5900	Thermometer, 59F, 0F – 180F x 1F	$ 22.00
CAT#AT6700	Thermometer, 67F, 203F – 311F x .5F	$ 78.00
CAT#AT6800	Thermometer, 68F, 293F – 401F x .5F	$ 84.00
CAT#AT6900	Thermometer, 69F, 383F – 581F x 1F	$ 95.00

***NOTE:** All ASTM thermometers can be ordered with NIST factory certification. Please call for pricing and lead times.

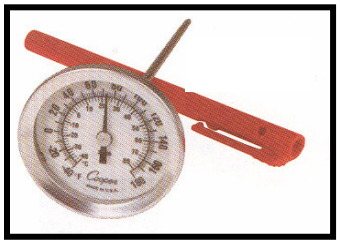


Thermometer, Dial, TEL-TRU

These high quality dial thermometers are manufactured from stainless steel and have an oven safe glass face! Great for checking temperature in the mold, on the truck, or from the mat! TEL-TRU thermometers are accurate, durable, and dependable. Include re-calibration nut on the back side of the dial. Features a 1 ¾" diameter dial face, and an 8" stem. ***Note:** Additional stem lengths and temperature ranges are available. Please call for details.

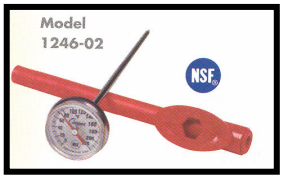
CAT# DT2200	Thermometer, Dial, 8", 0-220F x 2F	$ 26.50
CAT# DT4000	Thermometer, Dial, 8", 50-400F x 5F	$ 26.50
CAT# DT5000	Thermometer, Dial, 8", 50-500F x 5F	$ 26.50

Thermometer, Dial, Economy, Cooper



This is the thermometer you want to give to the guys to kick around in the truck. They have an 8" stem, 2" diameter dial face, and dual range from 50-550f/ 10-260C. They also feature the re-calibration nut on the back.

CAT# DT5500	Thermometer, Dial, 8", 50-550F/ 10-260C	$ 14.50
		$ 150.00/ dozen



Thermometer, Pocket Dial

Still popular after all these years are the mechanical pocket test thermometers. For a quick, easy and economical way to monitor temperatures, nothing beats these pocket thermometers. Unit features a protection sheath with pocket clip. 5" stainless steel stem, 1" polycarbonate lens. Accuracy is ± 5F.

CAT# PT2200	Thermometer, Pocket, 0-220F x 2F	$ 6.25
CAT# PT5000	Thermometer, Pocket, 50-500F x 5F	$ 6.25

Pocket, Digital

This digital pocket thermometer has an easy to read ¼" high LCD display and thermistor sensors for quick and accurate readings. Temperature range is -40 - 450F, ± 5 degrees or ± 2% of scale; which ever is greater.

CAT# DT6000 Thermometer, Pocket, Digital, -40-450F $ 28.50

Thermometer, Infrared

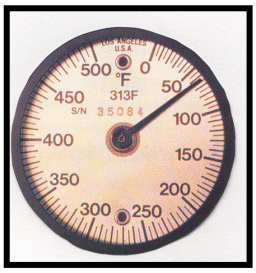
This pistol style infrared temperature gun is the fastest and easiest way to measure surface temperature. This gun has been redesigned to be more impact resistant and now features a laser sight. The ST-PRO also features a back-lit display. Temperature range is -25F – 750F (-30C – 400C) with an accuracy of ± 1%. Optical resolution is 12:1, and performs best at distances up to 6 feet. Includes hard plastic case and 9 volt battery.

CAT# IT2000 Temperature Gun, Infrared, ST-PRO $ 180.00

Thermometer, Infrared, MINI-TEMP

This infrared gun has many of the same features as the ST-PRO model except this gun is small enough to fit in your shirt pocket. Temp range is 0-500F (-18-260C) with an accuracy of ± 2%. Optical resolution is 6:1 and performs best at distances up to 3ft. This model MINI-TEMP is supplied with a laser sight, 9 volt battery, and back-lit display.

CAT# IT2001 Temperature Gun, MINI-TEMP $ 82.00
CAT# IT2002 Canvas Case EA $ 10.00



Thermometer, Surface

This thermometer is designed to be placed directly on the surface you wish to take a reading of. Thermometer is 2" in diameter, and ½" width.

CAT# ST0312 Thermometer, surface, 0-250F x 2F $ 28.50
CAT# ST0313 Thermometer, surface, 0-500F x 5F $ 28.50

Thermometer / Timer Combo

This unit monitors temperature and time at once. The DT6100 features a heat resistant, stainless steel probe that can be placed in the sample and the oven door can be shut on the cable. Alarm sounds when sample reaches preset temperature or time. Unit includes stand or wall mount option. Temperature range is 32F – 392F (0C – 220C). Dimensions are 4" x 2 3/8" and accept a 1.5 volt AAA battery.

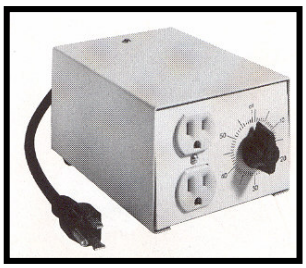
CAT# DT6100 Thermometer / Timer Combo, digital $ 35.00
CAT# DT6103 Probe, Replacement for DT6100, 3ft $ 12.00

Timer, Digital, Pocket

The DT6200 is a multi-functional unit with clock, timer, and stopwatch all in one. This pocket sized timer is light enough to carry or clip on your shirt or coat pocket. This unit can count up or down in 1 second intervals, and has 24 hour capabilities. Timer may also be secured to a metal surface via magnet strip on back or stood up with easel stand (included).

CAT# DT6200 Timer, Digital, Pocket $ 18.50

Timer, Universal w/ outlets



This timer counts down to from sixty minutes. Turn the dial to how long you wish to time. Unit features 2 grounded electrical outlets that shut off their power supply when the dial reaches "0". Great for running the Rice Test!

CAT# DT4296	Timer, Dial, 0-60 min w/ 2 outlets 115v, 60Hz	$ 58.50
CAT# DT4299	Timer, Dial, 0-60min w/ 2 outlets 220v/ 50/60Hz	$ 58.50

Timer, Jumbo, Digital

This oversized digital timer can be seen and heard clear across the lab! It features a volume controlled alarm, 2 ¼" x 1 3/16" LCD digital display, flashing red light when alarm sounds, and splash proof keypad. The durable construction helps to protect unit from everyday hazards and spills. Also features built in memory for repeat cycle timing. Dimensions are 7"H x 4"D x 5 9/13"W. Uses 4 "C" batteries.

T6300	Digital Timer, Jumbo	EA	$ 45.00

Tubing, Vacuum

This natural latex, amber colored tubing is perfect for all vacuum applications. Thick walled tubing is non-collapsible and chemically resistant. Tubing has 5/8"OD, ¼"ID, and 3/16" wall.

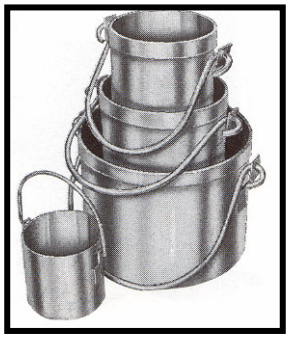
CAT# VT5814	Tubing, Vacuum, Latex, 5/8OD x 1/4ID	$ 2.00/ foot

Unit weight Bucket, Aluminum

These high quality unit weight measures are used for determining unit weight of fine, coarse, or mixed aggregates. These measures are watertight with precision machined tops and bottoms. Buckets will retain their shape after repeated use. Meets ASTM C29, C138, C192, C232; AASHTO T19, T121, T158.

CAT# UW3001	Unit Weight Bucket, 1/10cuft, 3L, aluminum	$ 105.00
CAT# UW3002	Unit Weight Bucket, 1/4cuft, 7L, aluminum	$ 205.00
CAT# UW3003	Unit Weight Bucket, 1/3cuft, 10L, aluminum	$ 390.00
CAT# UW3004	Unit Weight Bucket, 1/2cuft, 15L, aluminum	$ 265.00
CAT# UW3005	Unit Weight Bucket, 1cuft, 30L, aluminum	$ 390.00

Unit Weight Bucket, Steel



These heavy gauge, seam welded unit weight buckets feature a bail type handle for easy transport.
***Note:** This line of unit weight buckets are for estimating and field use only. They do not meet ASTM or AASHTO specifications.

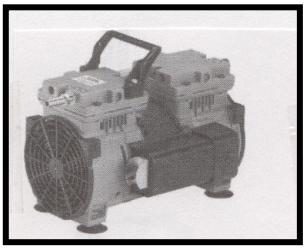
CAT# UW4001	Unit Weight Bucket, 1/10cuft, 3L, steel	$ 45.00
CAT# UW4002	Unit Weight Bucket, 1/4cuft, 7L, steel	$ 70.00
CAT# UW4003	Unit Weight Bucket, 1/3cuft, 10L, steel	$ 75.00
CAT# UW4004	Unit Weight Bucket, 1/2cuft, 15L, steel	$ 90.00
CAT# UW4005	Unit Weight Bucket, 1cuft, 30L, steel	$115.00

Vacuum Gauge, Digital

The fastest, easiest, and most accurate way to measure vacuum. No more mercury! This portable, hand held device can be moved quickly and safely around the lab. Digital display range from 0 to 100mm Hg at a resolution of .1mm Hg. Accuracy is ± .5% of full scale. Accepts 9 volt battery. Available with or without NIST Calibration Certificate.

CAT# DM1000	Digital Vacuum Gauge	$ 380.00
CAT# DM1100	Digital Vacuum Gauge, w/ NIST	$ 450.00

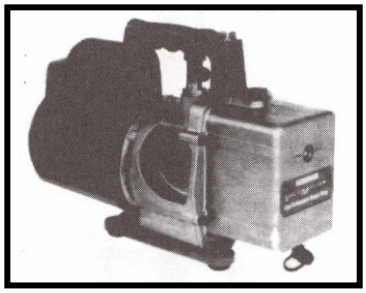
Vacuum Pump, Dry

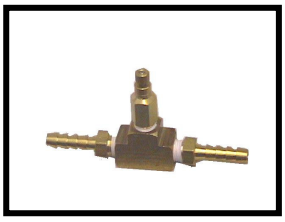


This pump is quickly becoming the standard for the Rice Test. The Welch dry pump contains no oil and handles water vapor better than any other model out there, making it virtually maintenance free and extremely economical. Very strong and quiet, this pump is hard to beat. Goes down to 29.6 Hg (7.5 torr), 1.6CFM, 45L/min. ***Note:** Even though this pump deals with water vapor very well, some type of drying apparatus is recommended when running the Rice Test due to the massive amount of water vapor generated.
CAT# VP1000 Vacuum Pump, Dry, Welch, 115v $ 595.00

Vacuum Pump, RobinAir

This direct drive, two stage pump has defiantly proven its worth in the industry. The 1/2hp motor generates 29.9Hg of vacuum, and 6.5CFM. The built in gas ballast helps to reduce water vapor entering the oil reservoir. Circular sight glass with fill line is located on the front of the pump for easy reading while unit is running. Exhaust port is located conveniently in the handle, discharging from the rear. *** Note:** Check and Fill oil while pump is running to insure accuracy.
CAT# VP1560 Vacuum Pump, Direct Drive, Robin Air $ 390.00





Vacuum Level Valve

This brass bleed valve assembly is designed to go directly in your vacuum line. Simply snip the tubing in front of your Pycnometer, and fasten the tubing to each side of the level valve. Open the valve, turn on your vacuum pump, and slowly close the bleed valve until the desired vacuum level is displayed on your manometer.
CAT# LV0100 Vacuum Level Valve $ 16.50

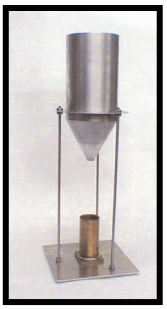
Vacuum Gauge, Oil Filled

This circular oil filled gauge has a 2 ¼" diameter face, and ½" NPT threads, and measures from -30 to 0 Hg.
CAT# VG0101 Vacuum Gauge, oil filled $ 38.50

Void Content Apparatus, Coarse Aggregate

This device is used to determine the void content of uncompacted coarse aggregates. The aggregate is allowed to free fall from the funnel bottom into the calibrated 145mm dia. by 160mm high.cylinder below. Strike off the excess and compute the void content. Set includes stainless steel hopper, support stand, measuring cylinder, strike off bar, and a 170mm square glass calibration plate. Meets AASHTO TP56. *** NOTE:** plastic overflow pan is not included.
CAT# VC2000 Void Content Apparatus, Coarse Agg. $ 475.00

Void Content Apparatus, Fine Aggregates



This device is similar to the apparatus above except in the fact that it is designed to measure the void content of a fine aggregate sample. Set includes Funnel assembly and stand, 100 brass measuring cylinder, and glass calibration plate. Meets ASTM C1252; AASHTO TP33
CAT# VC1000 Void Content Apparatus, Fine Agg. $ 95.00

Volumetair ®Kit

The Volumetair is used for measuring the amount of entrained air in any concrete mixture using the rolling method. The Volumetair is lightweight, easy to use, and accurate. Constructed of PVC and fiberglass, the unit is easy to clean and can be dipped in Muratic Acid for periodic cleaning. Meter weighs 5.5lbs, sight tube range is 0-90%, and the base volume is 134 cubic inches. Kit comes complete with Volumetair, funnel, syringe, tamper, calibrated cup, rubber mallet, strike off bar, and plastic carrying case. As always, individual replacement parts are available. Meets ASTM C173.

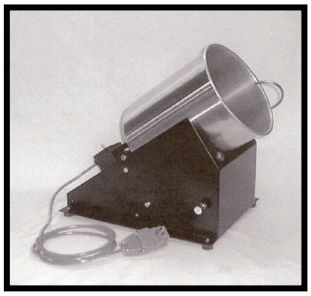
CAT# VM1050 Volumetair ® Test Kit $ 299.00

Washer, Aggregate, Floor Model

This aggregate drum washer is used to remove clay and other particles from aggregate samples by gently agitating the specimen in the revolving drum until all particles are washed and separated and the overflow water runs clear. Unit features a 1 1/2hp. Motor, stainless steel drum, permanent water connect with valve,1/2" diameter goose-neck water line, multiple tilt positions and a 6 foot power cord with GFCI safety plug! Dimensions are 16"D x 18"W x 23"H, 72lbs. Meets ASTM C117

CAT# AW1000 Aggregate Drum Washer, 115v $ 1695.00
CAT# AW1001 Aggregate Drum Washer, 220v $ 1695.00

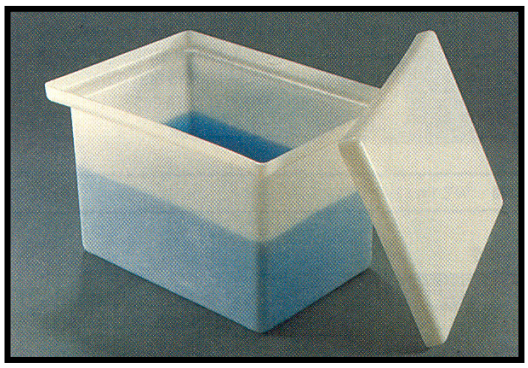
Washer, Aggregate, Bench top



This smaller version of the aggregate drum washer has a unique feature. The drum can be removed from the unit to weigh the sample or for easy cleaning. The smaller size allows unit to be placed on the counter next to the sink and water supply. Unit also features permanent water connection with regulator valve, tubing and saddle valve to hook up to existing line, stainless steel goose-neck water tube with swivel connect, fixed tilt position, and 6 foot power cord with GFCI safety plug. Dimensions are 18"L x 12 ½"W x 16"H, 25lbs.

CAT# AW1100 Aggregate Drum Washer, bench top, 115v $ 950.00
CAT# AW1101 Aggregate Drum Washer, bench top, 220v $ 950.00

Water Tank



These high density polyethylene tanks are great for under weighing for specific gravity. Heavy duty bulk head fittings for the overflow valve and drain spigot are installed at our facilities before they ship to yours! Tanks are available in a 30 gallon size (24”L x 18”W x 18”D) or in a 45 gallon size (24”L x 18”W x 24”D).

CAT# WT3000	Water Tank, w/ overflow and drain, 30gal.	$ 135.00
CAT# WT4500	Water Tank, w/ overflow and drain, 45gal.	$ 150.00
CAT# WH1050	Water Tank Heater, aquarium type	$ 28.50
CAT# WC1050	Water Tank Circulator	$ 25.00

Water Vapor Trap

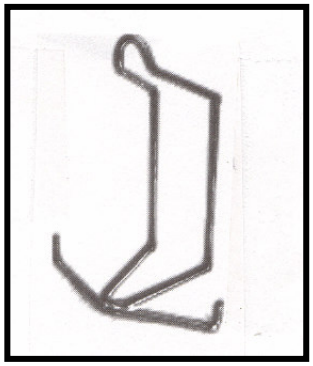
This glass apparatus is designed to be filled with Drierite to remove water vapor from your line before it enters your vacuum pump. It is available in a single unit or a triple unit. The single unit includes one heavy duty 1000ml Flask, one stopper with s/s vacuum tube. The triple unit consists of three heavy duty 1000ml Flasks, 3stoppers with s/s vacuum tube, four 1lb jars of white Drierite, and one 1lb jar of indicating Drierite.

CAT# WV1000	Water Vapor Trap, single	$ 38.50
CAT# WV3000	Water Vapor Trap, triple	$ 125.00

Wayhook

This specific gravity cradle is constructed from a solid stainless steel rod. It is designed to hold Marshall and Gyratory specimens, Density Baskets, and Vacuum Pycnometer when suspending sample for under weighing is required.

CAT# WH1000	Wayhook, Specific Gravity Cradle	$ 35.00



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